

Message

---

**From:** Barber, Joshua [Barber.Joshua@epa.gov]  
**Sent:** 11/18/2021 8:03:05 PM  
**To:** Corbett, Chris [Corbett.Chris@epa.gov]  
**CC:** Tymchenko, Nick [Tymchenko.Nick@epa.gov]  
**Subject:** RE: Climate vulnerability contacts

S Ex. 6 Personal Privacy (PP)  
Thanks.

-----Original Message-----

From: Corbett, Chris <Corbett.Chris@epa.gov>  
Sent: Thursday, November 18, 2021 12:15 PM  
To: Barber, Joshua <Barber.Joshua@epa.gov>  
Cc: Tymchenko, Nick <Tymchenko.Nick@epa.gov>  
Subject: RE: Climate vulnerability contacts

Nick and I are meeting with Carlos Tuesday 9am to discuss a Vulnerability Assessment at the Sauer Dump Site. Would you like to join us?

-----Original Message-----

From: Barber, Joshua <Barber.Joshua@epa.gov>  
Sent: Thursday, November 18, 2021 10:45 AM  
To: Root, Charlie <Root.Charlie@epa.gov>; Mishkin, Katherine <Mishkin.Katherine@epa.gov>  
Cc: Corbett, Chris <Corbett.Chris@epa.gov>  
Subject: RE: Climate vulnerability contacts

Sounds good. I am happy to do so. You've all helped me out a lot over the years and I am glad to return the favor.

-----Original Message-----

From: Root, Charlie <Root.Charlie@epa.gov>  
Sent: Thursday, November 18, 2021 10:13 AM  
To: Barber, Joshua <Barber.Joshua@epa.gov>; Mishkin, Katherine <Mishkin.Katherine@epa.gov>  
Cc: Corbett, Chris <Corbett.Chris@epa.gov>  
Subject: RE: Climate vulnerability contacts

Hi Josh,  
For now Chris Corbett has been designated as the Region 3 remedial program contact on climate vulnerability, but it sounds like the two of you working together would be a good idea.

Charlie Root  
Pronouns: (he, him)  
Chief, Site Remediation Branch  
US EPA Region 3  
Superfund & Emergency Management Division  
1650 Arch Street (3SD20)  
Philadelphia, PA 19103

Ex. 6 Personal Privacy (PP)

-----Original Message-----

From: Barber, Joshua <Barber.Joshua@epa.gov>  
Sent: Thursday, November 18, 2021 10:02 AM  
To: Mishkin, Katherine <Mishkin.Katherine@epa.gov>; Root, Charlie <Root.Charlie@epa.gov>  
Subject: Climate vulnerability contacts

Good morning

I realize that I may be inadvertently and unintentionally volunteering myself for asking this question but I am on this work group with headquarters that is planning out draft goals for how to support and conduct climate vulnerability assessment and mitigation for OSRTI. Carlos is the lead and I am not sure if you were aware of it or not. But he was asking who our remedial and removal contacts are going to be when this draft framework comes to the regions for Review. My understanding is that they are briefing the division directors in the next couple weeks on this. Do you know who the contacts may be for whom will handle this?

Sent from my iPhone

Message

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**From:** Matzko, Kristine [Matzko.Kristine@epa.gov]  
**Sent:** 11/23/2021 3:00:10 PM  
**To:** Tymchenko, Nick [Tymchenko.Nick@epa.gov]; Root, Charlie [Root.Charlie@epa.gov]  
**CC:** Corbett, Chris [Corbett.Chris@epa.gov]  
**Subject:** RE: FYI - Sauer Dump FW: Meeting Request

Thanks for following up on an assessment for Sauer – and the heads up for Linda and Paul.

---

**From:** Tymchenko, Nick <Tymchenko.Nick@epa.gov>  
**Sent:** Tuesday, November 23, 2021 9:57 AM  
**To:** Matzko, Kristine <Matzko.Kristine@epa.gov>; Root, Charlie <Root.Charlie@epa.gov>  
**Cc:** Corbett, Chris <Corbett.Chris@epa.gov>  
**Subject:** FYI - Sauer Dump FW: Meeting Request

Hi – FYI, I met with Carlos Pachon and Chris C. this morning to get ICF and HQ optimization program support for a Sauer Dump climate vulnerability assessment. This will provide supporting information in the Admin Record for a removal vs containment remedy decision.

**Heads up for Paul/Linda** - He indicated that there is a call later today with the Division Directors and he will bring Sauer Dump up as an example of climate assessment support available to RPMs.

Let me know if you have any questions.

Nick Tymchenko  
Remedial Project Manager  
Western PA/MD Remedial Section  
Superfund & Emergency Management Division  
US EPA Region 3  
Mail Code 3SD22  
1650 Arch St.  
Philadelphia, PA 19103-2029

(215) 814-2022

---

**From:** Pachon, Carlos <Pachon.Carlos@epa.gov>  
**Sent:** Tuesday, November 16, 2021 9:19 AM  
**To:** Corbett, Chris <Corbett.Chris@epa.gov>  
**Cc:** Tymchenko, Nick <Tymchenko.Nick@epa.gov>  
**Subject:** RE: Meeting Request

I should add that if you wish, in we have the resources and expertise to conduct a vulnerability assessment through our HQ support (see attachment). You might run a screening first with us, and use the findings to write an SOW for a more robust analysis, if deemed necessary from the screening.

Carlos S Pachon  
USEPA Superfund Program  
Washington DC  
(571)2162060

[Pachon.carlos@epa.gov](mailto:Pachon.carlos@epa.gov)

---

**From:** Pachon, Carlos  
**Sent:** Tuesday, November 16, 2021 9:06 AM  
**To:** Corbett, Chris <[Corbett.Chris@epa.gov](mailto:Corbett.Chris@epa.gov)>  
**Cc:** Tymchenko, Nick <[Tymchenko.Nick@epa.gov](mailto:Tymchenko.Nick@epa.gov)>  
**Subject:** RE: Meeting Request

Hello Chris – It's good to hear from you and thanks for the feedback on FRTR. I'll be happy to join you on a call, though this week is very bad as I am moving and it coincided with some key deliverables. Please pick any time available next week. FYI I anticipate the SOW language will focus more on the nature of the analyses and questions the vulnerability assessment should address, and less on the specific models and information resources they should use. That will be up to the contractor and their experience and professional judgement.

Carlos S Pachon  
USEPA Superfund Program  
Washington DC  
(571)2162060  
[Pachon.carlos@epa.gov](mailto:Pachon.carlos@epa.gov)

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**From:** Corbett, Chris <[Corbett.Chris@epa.gov](mailto:Corbett.Chris@epa.gov)>  
**Sent:** Monday, November 15, 2021 2:55 PM  
**To:** Pachon, Carlos <[Pachon.Carlos@epa.gov](mailto:Pachon.Carlos@epa.gov)>  
**Cc:** Tymchenko, Nick <[Tymchenko.Nick@epa.gov](mailto:Tymchenko.Nick@epa.gov)>  
**Subject:** Meeting Request

While enjoying your training, I can't help but think about the Sauer Dump Site, currently on the Administrator's Emphasis List, which I am working on with RPM Tymchenko. The site is located immediately adjacent to the Back River which flows into the Chesapeake Bay.

Pl. contact me at 202-566-0000 or via email at [carlos.pachon@epa.gov](mailto:carlos.pachon@epa.gov)  
C  
C  
C  
C

## Ex. 5 Deliberative Process (DP)

Are you available for 15 – 30 minutes to provide suggestions that will assist the development of the SOW, specifically model recommendations (I explained to Nick we may want to evaluate a range of models) and any other activities that Nick should consider.

Ex. 5 Deliberative Process (DP)

## Ex. 5 Deliberative Process (DP)

Thank you for your consideration.

Message

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**From:** Tymchenko, Nick [Tymchenko.Nick@epa.gov]  
**Sent:** 12/3/2021 6:55:12 PM  
**To:** Corbett, Chris [Corbett.Chris@epa.gov]  
**Subject:** RE: ICF?

Aha! – I thought it was an EPA acronym. Didn't realize it was their contractor.

Nick Tymchenko  
Remedial Project Manager  
Western PA/MD Remedial Section  
Superfund & Emergency Management Division  
US EPA Region 3  
Mail Code 3SD22  
1650 Arch St.  
Philadelphia, PA 19103-2029

(215) 814-2022

---

**From:** Corbett, Chris <Corbett.Chris@epa.gov>  
**Sent:** Tuesday, November 23, 2021 3:09 PM  
**To:** Tymchenko, Nick <Tymchenko.Nick@epa.gov>  
**Subject:** RE: ICF?

I used Google – Mgt. Consulting for Gov't from Fairfax VA

---

**From:** Tymchenko, Nick <Tymchenko.Nick@epa.gov>  
**Sent:** Tuesday, November 23, 2021 10:53 AM  
**To:** Corbett, Chris <Corbett.Chris@epa.gov>  
**Subject:** ICF?

What does ICF stand for?

Nick Tymchenko  
Remedial Project Manager  
Western PA/MD Remedial Section  
Superfund & Emergency Management Division  
US EPA Region 3  
Mail Code 3SD22  
1650 Arch St.  
Philadelphia, PA 19103-2029

(215) 814-2022

---

**From:** Dietz, Linda <Dietz.Linda@epa.gov>  
**Sent:** Tuesday, November 23, 2021 10:47 AM  
**To:** Root, Charlie <Root.Charlie@epa.gov>; Matzko, Kristine <Matzko.Kristine@epa.gov>; Leonard, Paul <leonard.paul@epa.gov>  
**Cc:** Tymchenko, Nick <Tymchenko.Nick@epa.gov>; Corbett, Chris <Corbett.Chris@epa.gov>  
**Subject:** RE: FYI - Sauer Dump FW: Meeting Request

Thanks for the heads up.

**Linda Dietz**, Deputy Director  
Superfund and Emergency Management Division (SEMD)  
EPA Region 3  
215-814-3195 (desk)

**Ex. 6 Personal Privacy (PP)**

[Dietz.Linda@epa.gov](mailto:Dietz.Linda@epa.gov)

---

**From:** Root, Charlie <[Root.Charlie@epa.gov](mailto:Root.Charlie@epa.gov)>

**Sent:** Tuesday, November 23, 2021 10:08 AM

**To:** Leonard, Paul <[leonard.paul@epa.gov](mailto:leonard.paul@epa.gov)>; Dietz, Linda <[Dietz.Linda@epa.gov](mailto:Dietz.Linda@epa.gov)>

**Cc:** Matzko, Kristine <[Matzko.Kristine@epa.gov](mailto:Matzko.Kristine@epa.gov)>; Tymchenko, Nick <[Tymchenko.Nick@epa.gov](mailto:Tymchenko.Nick@epa.gov)>; Corbett, Chris <[Corbett.Chris@epa.gov](mailto:Corbett.Chris@epa.gov)>

**Subject:** FW: FYI - Sauer Dump FW: Meeting Request

This is for your situational awareness only. Nick Tymchenko has requested HQs optimization program support for a Sauer Dump climate vulnerability assessment. See below email string. Carlos Pachon will likely mention this as an example of the support HQs can offer Region's related to climate change on the DD's Call this afternoon. Let us know if you have any questions. Thanks.

**Charlie Root**

Pronouns: (he, him)

Chief, Site Remediation Branch

US EPA Region 3

Superfund & Emergency Management Division

1650 Arch Street (3SD20)

Philadelphia, PA 19103

(215) 814-3193

**Ex. 6 Personal Privacy (PP)**

---

**From:** Matzko, Kristine <[Matzko.Kristine@epa.gov](mailto:Matzko.Kristine@epa.gov)>

**Sent:** Tuesday, November 23, 2021 10:01 AM

**To:** Root, Charlie <[Root.Charlie@epa.gov](mailto:Root.Charlie@epa.gov)>

**Subject:** FW: FYI - Sauer Dump FW: Meeting Request

Do you want to let Paul and Linda know – maybe you are attending the meeting

---

**From:** Tymchenko, Nick <[Tymchenko.Nick@epa.gov](mailto:Tymchenko.Nick@epa.gov)>

**Sent:** Tuesday, November 23, 2021 9:57 AM

**To:** Matzko, Kristine <[Matzko.Kristine@epa.gov](mailto:Matzko.Kristine@epa.gov)>; Root, Charlie <[Root.Charlie@epa.gov](mailto:Root.Charlie@epa.gov)>

**Cc:** Corbett, Chris <[Corbett.Chris@epa.gov](mailto:Corbett.Chris@epa.gov)>

**Subject:** FYI - Sauer Dump FW: Meeting Request

Hi – FYI, I met with Carlos Pachon and Chris C. this morning to get ICF and HQ optimization program support for a Sauer Dump climate vulnerability assessment. This will provide supporting information in the Admin Record for a removal vs containment remedy decision.

**Heads up for Paul/Linda** - He indicated that there is a call later today with the Division Directors and he will bring Sauer Dump up as an example of climate assessment support available to RPMs.

Let me know if you have any questions.

Nick Tymchenko  
Remedial Project Manager  
Western PA/MD Remedial Section  
Superfund & Emergency Management Division  
US EPA Region 3  
Mail Code 3SD22  
1650 Arch St.  
Philadelphia, PA 19103-2029

(215) 814-2022

---

**From:** Pachon, Carlos <[Pachon.Carlos@epa.gov](mailto:Pachon.Carlos@epa.gov)>  
**Sent:** Tuesday, November 16, 2021 9:19 AM  
**To:** Corbett, Chris <[Corbett.Chris@epa.gov](mailto:Corbett.Chris@epa.gov)>  
**Cc:** Tymchenko, Nick <[Tymchenko.Nick@epa.gov](mailto:Tymchenko.Nick@epa.gov)>  
**Subject:** RE: Meeting Request

I should add that if you wish, in we have the resources and expertise to conduct a vulnerability assessment through our HQ support (see attachment). You might run a screening first with us, and use the findings to write an SOW for a more robust analysis, if deemed necessary from the screening.

Carlos S Pachon  
USEPA Superfund Program  
Washington DC  
(571)2162060  
[Pachon.carlos@epa.gov](mailto:Pachon.carlos@epa.gov)

---

**From:** Pachon, Carlos  
**Sent:** Tuesday, November 16, 2021 9:06 AM  
**To:** Corbett, Chris <[Corbett.Chris@epa.gov](mailto:Corbett.Chris@epa.gov)>  
**Cc:** Tymchenko, Nick <[Tymchenko.Nick@epa.gov](mailto:Tymchenko.Nick@epa.gov)>  
**Subject:** RE: Meeting Request

Hello Chris – It's good to hear from you and thanks for the feedback on FRTR. I'll be happy to join you on a call, though this week is very bad as I am moving and it coincided with some key deliverables. Please pick any time available next week. FYI I anticipate the SOW language will focus more on the nature of the analyses and questions the vulnerability assessment should address, and less on the specific models and information resources they should use. That will be up to the contractor and their experience and professional judgement.

Carlos S Pachon  
USEPA Superfund Program  
Washington DC  
(571)2162060  
[Pachon.carlos@epa.gov](mailto:Pachon.carlos@epa.gov)

**From:** Corbett, Chris <Corbett.Chris@epa.gov>  
**Sent:** Monday, November 15, 2021 2:55 PM  
**To:** Pachon, Carlos <Pachon.Carlos@epa.gov>  
**Cc:** Tymchenko, Nick <Tymchenko.Nick@epa.gov>  
**Subject:** Meeting Request

While enjoying your training, I can't help but think about the Sauer Dump Site, currently on the Administrator's Emphasis List, which I am working on with RPM Tymchenko. The site is located immediately adjacent to the Back River which flows into the Chesapeake Bay.

Ex. 5 Deliberative Process (DP)

## Ex. 5 Deliberative Process (DP)

Are you available for 15 – 30 minutes to provide suggestions that will assist the development of the SOW, specifically model recommendations (I explained to Nick we may want to evaluate a range of models) and any other activities that Nick should consider.

Ex. 5 Deliberative Process (DP)

Ex. 5 Deliberative Process (DP)

Thank you for your consideration.

Message

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**From:** DuBois, Sean [Ex. 6 Personal Privacy (PP)]  
**Sent:** 12/14/2021 9:29:37 PM  
**To:** Pachon, Carlos [Pachon.Carlos@epa.gov]; Tymchenko, Nick [Tymchenko.Nick@epa.gov]; Corbett, Chris [Corbett.Chris@epa.gov]; Sinski, Patti [Ex. 6 Personal Privacy (PP)]; Vargo, Amanda [Ex. 6 Personal Privacy (PP)]; Grismala, Ralph [Ex. 6 Personal Privacy (PP)]  
**Subject:** Sauer Dump Climate Vulnerability Assessment - Scoping call  
**Attachments:** Climate Scoping Call Agenda\_Sauer Dump.docx

Hi All,

The scoping call agenda for the climate vulnerability assessment at Sauer Dump is attached.

We are looking forward to our discussion tomorrow afternoon. Please let us know if there are any additional topics you'd like added to the agenda.

Thanks,  
Sean

**Sean DuBois** | Senior Environmental Analyst [Ex. 6 Personal Privacy (PP)]  
[Ex. 6 Personal Privacy (PP)] [icf.com](mailto:sean.dubois@icf.com)  
ICF | 9300 Lee Highway, Fairfax, VA 22031



## Appointment

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**From:** Pachon, Carlos [Pachon.Carlos@epa.gov]  
**Sent:** 12/15/2021 7:50:34 PM  
**To:** Tymchenko, Nick [Tymchenko.Nick@epa.gov]; Corbett, Chris [Corbett.Chris@epa.gov]; Patti Sinski [Ex. 6 Personal Privacy (PP)]; DuBois, Sean [Ex. 6 Personal Privacy (PP)]  
**CC:** Grismala, Ralph [Ex. 6 Personal Privacy (PP)]; Vargo, Amanda [Ex. 6 Personal Privacy (PP)]; Cron, Mitch [Cron.Mitch@epa.gov]  
**Subject:** Sauer Dump Climate Vulnerability Assessment - Scoping call  
**Location:** Microsoft Teams Meeting  
**Start:** 12/15/2021 8:00:00 PM  
**End:** 12/15/2021 9:00:00 PM  
**Show Time As:** Tentative

**Required Attendees:** Tymchenko, Nick; Corbett, Chris; Patti Sinski; DuBois, Sean  
**Optional Attendees:** Grismala, Ralph; Vargo, Amanda; Cron, Mitch

**Scoping Call Agenda**  
**Climate Assessment Review**  
**Sauer Dump**  
**December 15, 2021, 3pm-4pm EDT**

### Participants:

- EPA:
  - Carlos Pachon, EPA HQ OSRTI, Project Lead
  - Nick Tymchenko, EPA Region 3, RPM
  - Chris Corbett, EPA Region 3
  
- Contractor:
  - Patti Sinski, ICF TO Lead
  - Sean DuBois, ICF Climate Lead
  - Amanda Vargo, ICF Climate Scientist
  
  - Ralph Grismala, P.E., ICF Remediation Lead, Engineer

## Summary Agenda

- Introductions (All)
  - Climate Assessment Process Overview (ICF)
  - Reason for Assessment (RPM)
    - Previous climate events impacting the site and remedies
    - Consideration of climate data during investigation (historic or future)
    - Community interest in climate impacts at the site
  - Site Overview (RPM)
  - Discussion (All)
    - Primary focus of this assessment
    - Previous actions performed at the site
    - Status of the ongoing FS
    - Climate assessment described in Appendix C of DAA
  - Questions about Scope and Expectations (All)
  - Data and Documents for Review (All)
  - Next Steps/Conclusion (All)
- 

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Message

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**From:** Pachon, Carlos [Pachon.Carlos@epa.gov]  
**Sent:** 12/16/2021 7:55:09 PM  
**To:** Tymchenko, Nick [Tymchenko.Nick@epa.gov]; Corbett, Chris [Corbett.Chris@epa.gov]  
**Subject:** Pachon, Carlos shared the folder "Sauer Dump" with you.



## Pachon, Carlos shared a folder with you

Here's the folder that Pachon, Carlos shared with you.



Sauer Dump



This link only works for the direct recipients of this message.

Open

Message

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**From:** Mohollen, Laura [Mohollen.Laura@epa.gov]  
**Sent:** 1/10/2022 4:24:40 PM  
**To:** Corbett, Chris [Corbett.Chris@epa.gov]  
**CC:** Kennedy, Cathleen [Kennedy.Cathleen@epa.gov]  
**Subject:** RE: Climate Change Vulnerability Assessments

Excellent, thank you! This is the only one I've become aware of- I appreciate you sending to the others!

Laura A. Mohollen  
(Pronouns: she/her)  
Technical Support Branch Chief  
Superfund & Emergency Management Division  
UP EPA Region 3  
1650 Arch St  
Philadelphia, PA 19103

P-215-814-3295

---

**From:** Corbett, Chris <Corbett.Chris@epa.gov>  
**Sent:** Monday, January 10, 2022 11:11 AM  
**To:** Mohollen, Laura <Mohollen.Laura@epa.gov>  
**Cc:** Kennedy, Cathleen <Kennedy.Cathleen@epa.gov>  
**Subject:** Climate Change Vulnerability Assessments

I forwarded the invite to Nick b/c he is working with Carlos Pachon and the HQ climate team on Sauer Dump and to Josh b/c he is working on a Work Group with Carlos and others to develop a draft document including BMPs. Please let me know if there are any other climate change activities that you are aware of and I will try to obtain update(s) prior to our meeting.

## Appointment

---

**From:** Tymchenko, Nick [Tymchenko.Nick@epa.gov]  
**Sent:** 4/26/2022 8:46:05 PM  
**To:** Corbett, Chris [Corbett.Chris@epa.gov]  
**Subject:** RE: Sauer Dump Preliminary Climate Vulnerability Assessment - Technical Memorandum  
**Location:** Microsoft Teams Meeting  
**Start:** 5/3/2022 6:00:00 PM  
**End:** 5/3/2022 6:30:00 PM  
**Show Time As:** Tentative

**Required Attendees:** Corbett, Chris

I have a question for you about this message for the admin record.

-----  
**From:** DuBois, Sean <Ex. 6 Personal Privacy (PP)>  
**Sent:** Tuesday, April 26, 2022 4:01 PM  
**To:** Tymchenko, Nick  
**Cc:** Pachon, Carlos; Sinski, Patti  
**Subject:** RE: Sauer Dump Preliminary Climate Vulnerability Assessment - Technical Memorandum

Hi Nick,

Below is our response to the MDE question. We can certainly answer any follow-up questions they may have about the preliminary climate vulnerability assessment report or how it relates to the GAO report.

We are happy to hear the preliminary climate assessment report has been useful in your review of the PRPs draft FS. In the past, we have intended this preliminary report to be internal, and the full report as the one to be shared with the site team. Beyond other analyses, we have additional language that provides further context to the scope of the report. If you do want to share this preliminary report with the PRP group, it may be useful to at least add this additional language to the introduction of the report. We can update the preliminary report with this language and have it to you by Thursday. Please let us know if this works for you.

*Response to MDE's question:*

**Ex. 5 Deliberative Process (DP)**

# Ex. 5 Deliberative Process (DP)

Thanks,  
Sean

Sean DuBois | Senior Environmental Analyst

Ex. 6 Personal Privacy (PP)

Ex. 6 Personal Privacy (PP) | [icf.com](http://icf.com)

ICF | 9300 Lee Highway, Fairfax, VA 22031

**From:** Pachon, Carlos <[Pachon.Carlos@epa.gov](mailto:Pachon.Carlos@epa.gov)>

**Sent:** Monday, April 25, 2022 12:21 PM

**To:** Tymchenko, Nick <[Tymchenko.Nick@epa.gov](mailto:Tymchenko.Nick@epa.gov)>; DuBois, Sean | Ex. 6 Personal Privacy (PP)

**Subject:** RE: Sauer Dump Preliminary Climate Vulnerability Assessment - Technical Memorandum

Hello Nick – good to hear from you, and that the report is helping you guide and inform site decisions.

Sean – please advise how to best reply to the MDE question below, preferably based on information in the report.

## Ex. 5 Deliberative Process (DP)

Thank you

Carlos S Pachon

USEPA Superfund Program

Washington DC

(571)2162060

[Pachon.carlos@epa.gov](mailto:Pachon.carlos@epa.gov)

**From:** Tymchenko, Nick <[Tymchenko.Nick@epa.gov](mailto:Tymchenko.Nick@epa.gov)>

**Sent:** Monday, April 25, 2022 12:12 PM

**To:** Pachon, Carlos <[Pachon.Carlos@epa.gov](mailto:Pachon.Carlos@epa.gov)>

**Subject:** RE: Sauer Dump Preliminary Climate Vulnerability Assessment - Technical Memorandum

Carlos,

As discussed, thanks for the preliminary report. The Site team has referred to the report in its review of the draft FS for the Sauer Dump Site and I'll be providing the PRP Group comments and the report later this week. At this time we don't anticipate the need for future analysis as the presentation in the report was clear. MDE did raise a question regarding the relationship of the report's findings vs the interactive graphic on the GAO website, can ICF take a look and respond to the question, below?

# Ex. 5 Deliberative Process (DP)

Thanks,

Nick

Nick Tymchenko

Remedial Project Manager

Western PA/MD Remedial Section

Superfund & Emergency Management Division

US EPA Region 3

Mail Code 3SD22

1650 Arch St.

Philadelphia, PA 19103-2029

(215) 814-2022

**From:** DuBois, Sea **Ex. 6 Personal Privacy (PP)**

**Sent:** Tuesday, March 01, 2022 12:11 PM

**To:** Tymchenko, Nick <Tymchenko.Nick@epa.gov>

**Cc:** Pachon, Carlos <Pachon.Carlos@epa.gov>; Sinski, Patti **Ex. 6 Personal Privacy (PP)**; Vargo, Amanda <**Ex. 6 Personal Privacy (PP)**>

**Subject:** Sauer Dump Preliminary Climate Vulnerability Assessment - Technical Memorandum

Hi Nick,

Please find the Sauer Dump Preliminary Climate Vulnerability Assessment Technical Memorandum attached. Once you have time to review this document and the FS, it may be worthwhile to have a



meeting to discuss any comments and questions you may have on this document and any developments at the site which would inform potential future analyses, as necessary.

Thank you,  
Sean

**Sean DuBois** | Senior Environmental Analyst

Ex. 6 Personal Privacy (PP)

Ex. 6 Personal Privacy (PP) | [icf.com](http://icf.com)

ICF | 9300 Lee Highway, Fairfax, VA 22031

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Message

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**From:** Tymchenko, Nick [Tymchenko.Nick@epa.gov]  
**Sent:** 11/23/2021 3:26:28 PM  
**To:** Pachon, Carlos [Pachon.Carlos@epa.gov]  
**CC:** Corbett, Chris [Corbett.Chris@epa.gov]; Matzko, Kristine [Matzko.Kristine@epa.gov]  
**Subject:** RE: Meeting Request  
**Attachments:** vulnerability assessment info.pptx; WA055\_Zoning Review Tech Memo.pdf

Carlos,

Thanks for meeting with us today, a climate vulnerability assessment will provide the Site team valuable information for the analysis of alternatives. I've attached the slides from our meeting this morning and HGL's tech memo.

People Plus account:

**Ex. 6 Personal Privacy (PP)**  
SAUER DUMP - PRP RIFS

I look forward to working with you on this.

Nick Tymchenko  
Remedial Project Manager  
Western PA/MD Remedial Section  
Superfund & Emergency Management Division  
US EPA Region 3  
Mail Code 3SD22  
1650 Arch St.  
Philadelphia, PA 19103-2029

(215) 814-2022

---

**From:** Pachon, Carlos <Pachon.Carlos@epa.gov>  
**Sent:** Tuesday, November 16, 2021 9:19 AM  
**To:** Corbett, Chris <Corbett.Chris@epa.gov>  
**Cc:** Tymchenko, Nick <Tymchenko.Nick@epa.gov>  
**Subject:** RE: Meeting Request

I should add that if you wish, in we have the resources and expertise to conduct a vulnerability assessment through our HQ support (see attachment). You might run a screening first with us, and use the findings to write an SOW for a more robust analysis, if deemed necessary from the screening.

Carlos S Pachon  
USEPA Superfund Program  
Washington DC  
(571)2162060  
[Pachon.carlos@epa.gov](mailto:Pachon.carlos@epa.gov)

---

**From:** Pachon, Carlos  
**Sent:** Tuesday, November 16, 2021 9:06 AM  
**To:** Corbett, Chris <[Corbett.Chris@epa.gov](mailto:Corbett.Chris@epa.gov)>

**Cc:** Tymchenko, Nick <Tymchenko.Nick@epa.gov>

**Subject:** RE: Meeting Request

Hello Chris – It's good to hear from you and thanks for the feedback on FRTR. I'll be happy to join you on a call, though this week is very bad as I am moving and it coincided with some key deliverables. Please pick any time available next week. FYI I anticipate the SOW language will focus more on the nature of the analyses and questions the vulnerability assessment should address, and less on the specific models and information resources they should use. That will be up to the contractor and their experience and professional judgement.

Carlos S Pachon  
USEPA Superfund Program  
Washington DC  
(571)2162060  
[Pachon.carlos@epa.gov](mailto:Pachon.carlos@epa.gov)

---

**From:** Corbett, Chris <Corbett.Chris@epa.gov>  
**Sent:** Monday, November 15, 2021 2:55 PM  
**To:** Pachon, Carlos <Pachon.Carlos@epa.gov>  
**Cc:** Tymchenko, Nick <Tymchenko.Nick@epa.gov>  
**Subject:** Meeting Request

While enjoying your training, I can't help but think about the Sauer Dump Site, currently on the Administrator's Emphasis List, which I am working on with RPM Tymchenko. The site is located immediately adjacent to the Back River which flows into the Chesapeake Bay.

## Ex. 5 Deliberative Process (DP) - 5 Deliberative Process (DP)

Are you available for 15 – 30 minutes to provide suggestions that will assist the development of the SOW, specifically model recommendations (I explained to Nick we may want to evaluate a range of models) and any other activities that Nick should consider

### Ex. 5 Deliberative Process (DP)

Ex. 5 Deliberative Process (DP)

Thank you for your consideration.

## Appointment

---

**From:** Corbett, Chris [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=fe55fef45d5a466fb7b9ae7bcc811b64-Ccorbett]  
**Sent:** 11/17/2021 8:52:21 PM  
**To:** Tymchenko, Nick [Tymchenko.Nick@epa.gov]  
**Subject:** Accepted: Sauer Dump vulnerability assessment  
**Location:** Microsoft Teams Meeting  
**Start:** 11/23/2021 2:00:00 PM  
**End:** 11/23/2021 3:00:00 PM  
**Show Time As:** Busy

## Appointment

---

**From:** Corbett, Chris [/O=EXCHANGELABS/OU=EXCHANGE ADMINISTRATIVE GROUP (FYDIBOHF23SPDLT)/CN=RECIPIENTS/CN=FE55FEF45D5A466FB7B9AE7BCC811B64-CCORBETT]  
**on behalf of** Tymchenko, Nick [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=d5a1b6b16c5c467aa57c5f05310d8ed2-Ntymchen]  
**Sent:** 11/18/2021 9:18:23 PM  
**To:** Barber, Joshua [Barber.Joshua@epa.gov]  
  
**Subject:** FW: Sauer Dump vulnerability assessment  
**Location:** Microsoft Teams Meeting  
  
**Start:** 11/23/2021 2:00:00 PM  
**End:** 11/23/2021 3:00:00 PM  
**Show Time As:** Tentative

-----Original Appointment-----

**From:** Tymchenko, Nick <Tymchenko.Nick@epa.gov>  
**Sent:** Wednesday, November 17, 2021 3:09 PM  
**To:** Tymchenko, Nick; Pachon, Carlos; Corbett, Chris  
**Subject:** Sauer Dump vulnerability assessment  
**When:** Tuesday, November 23, 2021 9:00 AM-10:00 AM (UTC-05:00) Eastern Time (US & Canada).  
**Where:** Microsoft Teams Meeting

-----  
**From:** Corbett, Chris  
**Sent:** Tuesday, November 16, 2021 12:20 PM  
**To:** Pachon, Carlos  
**Cc:** Tymchenko, Nick  
**Subject:** RE: Meeting Request

Thank you Carlos. I look forward to speaking with you next week...been too long.

**From:** Pachon, Carlos <Pachon.Carlos@epa.gov>  
**Sent:** Tuesday, November 16, 2021 9:19 AM  
**To:** Corbett, Chris <Corbett.Chris@epa.gov>  
**Cc:** Tymchenko, Nick <Tymchenko.Nick@epa.gov>  
**Subject:** RE: Meeting Request

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Carlos S Pachon

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Washington DC

(571)2162060

[Pachon.carlos@epa.gov](mailto:Pachon.carlos@epa.gov)

**From:** Pachon, Carlos

**Sent:** Tuesday, November 16, 2021 9:06 AM

**To:** Corbett, Chris <[Corbett.Chris@epa.gov](mailto:Corbett.Chris@epa.gov)>

**Cc:** Tymchenko, Nick <[Tymchenko.Nick@epa.gov](mailto:Tymchenko.Nick@epa.gov)>

**Subject:** RE: Meeting Request

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Washington DC

(571)2162060

[Pachon.carlos@epa.gov](mailto:Pachon.carlos@epa.gov)

**From:** Corbett, Chris <Corbett.Chris@epa.gov>  
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**Ex. 5 Deliberative Process (DP)**

**Ex. 5 Deliberative Process (DP)**

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---

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Message

---

**From:** Corbett, Chris [/O=EXCHANGELABS/OU=EXCHANGE ADMINISTRATIVE GROUP (FYDIBOHF23SPDLT)/CN=RECIPIENTS/CN=FE55FEF45D5A466FB7B9AE7BCC811B64-CCORBETT]  
**Sent:** 11/23/2021 2:49:00 PM  
**To:** Davies, Kathy [Davies.Kathy@epa.gov]; Lowe, Jill [Lowe.Jill@epa.gov]  
**CC:** Tymchenko, Nick [Tymchenko.Nick@epa.gov]; Matzko, Kristine [Matzko.Kristine@epa.gov]; Root, Charlie [Root.Charlie@epa.gov]  
**Subject:** Climate Change Vulnerability Assessment - Sauer Dump

Nick and I just completed a call with Carlos Pachon re: HQ and ICF performing a Vulnerability Assessment for Climate Change at the Sauer Dump site located adjacent to the Back River in MD. Carlos recommended we inform you due to the similarity of this task with the Optimization of GW Sites.

Feel free to contact Nick if you have any questions or if there is a different POC in Tech Support for Climate Change that we should be coordinating with.

Thank you



## Appointment

---

**From:** Corbett, Chris [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=fe55fef45d5a466fb7b9ae7bcc811b64-Ccorbett]  
**Sent:** 1/18/2022 8:02:29 PM  
**To:** Tymchenko, Nick [Tymchenko.Nick@epa.gov]  
**Subject:** Accepted: Placeholder - Sauer Dump climate change vulnerability assessment preliminary results  
**Location:** Microsoft Teams Meeting  
**Start:** 2/10/2022 4:00:00 PM  
**End:** 2/10/2022 5:00:00 PM  
**Show Time As:** Busy

## Appointment

---

**From:** Corbett, Chris [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=fe55fef45d5a466fb7b9ae7bcc811b64-Ccorbett]  
**Sent:** 12/7/2021 12:49:38 PM  
**To:** Pachon, Carlos [Pachon.Carlos@epa.gov]  
**Subject:** Accepted: Sauer Dump Climate Vulnerability Assessment - Scoping call  
**Location:** Microsoft Teams Meeting  
**Start:** 12/15/2021 8:00:00 PM  
**End:** 12/15/2021 9:00:00 PM  
**Show Time As:** Busy

## Appointment

---

**From:** Corbett, Chris [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=fe55fef45d5a466fb7b9ae7bcc811b64-Ccorbett]  
**Sent:** 2/9/2022 9:48:20 PM  
**To:** Tymchenko, Nick [Tymchenko.Nick@epa.gov]  
**Subject:** Tentative: Placeholder - Sauer Dump climate change vulnerability assessment preliminary results  
**Location:** Microsoft Teams Meeting  
**Start:** 2/10/2022 4:00:00 PM  
**End:** 2/10/2022 5:00:00 PM  
**Show Time As:** Busy

Are we meeting?

## Appointment

---

**From:** Corbett, Chris [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=fe55fef45d5a466fb7b9ae7bcc811b64-Ccorbett]  
**Sent:** 2/10/2022 12:30:19 PM  
**To:** Tymchenko, Nick [Tymchenko.Nick@epa.gov]  
**Subject:** Accepted: Placeholder - Sauer Dump climate change vulnerability assessment preliminary results  
**Location:** Microsoft Teams Meeting  
**Start:** 2/10/2022 4:00:00 PM  
**End:** 2/10/2022 5:00:00 PM  
**Show Time As:** Busy

## Appointment

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**From:** Corbett, Chris [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=fe55fef45d5a466fb7b9ae7bcc811b64-Ccorbett]  
**Sent:** 3/1/2022 9:27:58 PM  
**To:** Tymchenko, Nick [Tymchenko.Nick@epa.gov]  
**Subject:** Accepted: Sauer Dump FS alternatives and climate study  
**Location:** Microsoft Teams Meeting  
**Start:** 3/29/2022 12:00:00 PM  
**End:** 3/29/2022 1:00:00 PM  
**Show Time As:** Busy

Message

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**From:** Corbett, Chris [/O=EXCHANGELABS/OU=EXCHANGE ADMINISTRATIVE GROUP (FYDIBOHF23SPDLT)/CN=RECIPIENTS/CN=FE55FEF45D5A466FB7B9AE7BCC811B64-CCORBETT]  
**Sent:** 2/10/2022 12:29:04 PM  
**To:** Tymchenko, Nick [Tymchenko.Nick@epa.gov]  
**Subject:** RE: Placeholder - Sauer Dump climate change vulnerability assessment preliminary results

OK

---

**From:** Tymchenko, Nick <Tymchenko.Nick@epa.gov>  
**Sent:** Thursday, February 10, 2022 6:41 AM  
**To:** Corbett, Chris <Corbett.Chris@epa.gov>  
**Subject:** RE: Placeholder - Sauer Dump climate change vulnerability assessment preliminary results

Yes – this is the invitet

Nick Tymchenko  
Remedial Project Manager  
Western PA/MD Remedial Section  
Superfund & Emergency Management Division  
US EPA Region 3  
Mail Code 3SD22  
1650 Arch St.  
Philadelphia, PA 19103-2029

(215) 814-2022

-----Original Appointment-----

**From:** Corbett, Chris <Corbett.Chris@epa.gov>  
**Sent:** Wednesday, February 09, 2022 4:48 PM  
**To:** Tymchenko, Nick  
**Subject:** Tentative: Placeholder - Sauer Dump climate change vulnerability assessment preliminary results  
**When:** Thursday, February 10, 2022 11:00 AM-12:00 PM (UTC-05:00) Eastern Time (US & Canada).  
**Where:** Microsoft Teams Meeting

Are we meeting?

## Appointment

---

**From:** Pachon, Carlos [Pachon.Carlos@epa.gov]  
**Sent:** 12/6/2021 5:29:47 PM  
**To:** Pachon, Carlos [Pachon.Carlos@epa.gov]; Tymchenko, Nick [Tymchenko.Nick@epa.gov]; Corbett, Chris [Corbett.Chris@epa.gov]; Patti Sinski [Ex. 6 Personal Privacy (PP)]; DuBois, Sean [Ex. 6 Personal Privacy (PP)]  
**CC:** Grismala, Ralph [Ex. 6 Personal Privacy (PP)]; Vargo, Amanda [Ex. 6 Personal Privacy (PP)]; Cron, Mitch [Cron.Mitch@epa.gov]; Rice, Jim [Jim.Rice@icf.com]  
**Subject:** Sauer Dump Climate Vulnerability Assessment - Scoping call  
**Location:** Microsoft Teams Meeting  
**Start:** 12/15/2021 8:00:00 PM  
**End:** 12/15/2021 9:00:00 PM  
**Show Time As:** Busy

**Required Attendees:** Pachon, Carlos; Tymchenko, Nick; Corbett, Chris; Patti Sinski; DuBois, Sean  
**Optional Attendees:** Grismala, Ralph; Vargo, Amanda; Cron, Mitch; Rice, Jim

**Scoping Call Agenda**  
**Climate Assessment Review**  
**Sauer Dump**  
**December 15, 2021, 3pm-4pm EDT**

### Participants:

- EPA:
  - Carlos Pachon, EPA HQ OSRTI, Project Lead
  - Nick Tymchenko, EPA Region 3, RPM
  - Chris Corbett, EPA Region 3
  
- Contractor:
  - Patti Sinski, ICF TO Lead
  - Sean DuBois, ICF Climate Lead
  - Amanda Vargo, ICF Climate Scientist
  
  - Ralph Grismala, P.E., ICF Remediation Lead, Engineer

## Summary Agenda

- Introductions (All)
  - Climate Assessment Process Overview (ICF)
  - Reason for Assessment (RPM)
    - Previous climate events impacting the site and remedies
    - Consideration of climate data during investigation (historic or future)
    - Community interest in climate impacts at the site
  - Site Overview (RPM)
  - Discussion (All)
    - Primary focus of this assessment
    - Previous actions performed at the site
    - Status of the ongoing FS
    - Climate assessment described in Appendix C of DAA
  - Questions about Scope and Expectations (All)
  - Data and Documents for Review (All)
  - Next Steps/Conclusion (All)
- 

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## Appointment

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**From:** Tymchenko, Nick [Tymchenko.Nick@epa.gov]  
**Sent:** 1/18/2022 3:35:13 PM  
**To:** Tymchenko, Nick [Tymchenko.Nick@epa.gov]; Pachon, Carlos [Pachon.Carlos@epa.gov]; Pluta, Bruce [Pluta.Bruce@epa.gov]; Tuttle, Jeffrey [Tuttle.Jeffrey@epa.gov]; Bower, Ryan [Bower.Ryan@epa.gov]  
**CC:** DuBois, Sean [Ex. 6 Personal Privacy (PP)]; Corbett, Chris [Corbett.Chris@epa.gov]; Sinski, Patti [Ex. 6 Personal Privacy (PP)]; Bhat, Cassandra [Ex. 6 Personal Privacy (PP)]; Grismala, Ralph [Ex. 6 Personal Privacy (PP)]; Vargo, Amanda [Ex. 6 Personal Privacy (PP)]; Tyahla, Stephen [Tyahla.Stephen@epa.gov]; White, Brad [White.Brad@epa.gov]; Whiting, Matia [Matia.Whiting@icf.com]; Matzko, Kristine [Matzko.Kristine@epamail.epa.gov]  
**Subject:** Placeholder - Sauer Dump climate change vulnerability assessment preliminary results  
**Location:** Microsoft Teams Meeting  
**Start:** 2/10/2022 4:00:00 PM  
**End:** 2/10/2022 5:00:00 PM  
**Show Time As:** Busy

**Required Attendees:** Tymchenko, Nick; Pachon, Carlos; Pluta, Bruce; Tuttle, Jeffrey; Bower, Ryan  
**Optional Attendees:** DuBois, Sean; Corbett, Chris; Sinski, Patti; Bhat, Cassandra; Grismala, Ralph; Vargo, Amanda; Matzko.Kristine@epamail.epa.gov; Tyahla, Stephen; White, Brad; Whiting, Matia

---

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Phone Conference ID: 747 029 944#

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**From:** Pachon, Carlos <Pachon.Carlos@epa.gov>  
**Sent:** Friday, January 14, 2022 2:22 PM  
**To:** Tymchenko, Nick <Tymchenko.Nick@epa.gov>  
**Cc:** DuBois, Sean [Ex. 6 Personal Privacy (PP)]  
**Subject:** RE: Sauer Dump schedule

Hello Nick – we are aiming to have a call and walk through of preliminary results 2/11. Does 2/11 work for a call? The first draft is due early March, Do you need it earlier?

Thanks, hope you have a great weekend!

Carlos S Pachon  
USEPA Superfund Program  
Washington DC  
(571)2162060  
[Pachon.carlos@epa.gov](mailto:Pachon.carlos@epa.gov)

---

**From:** Tymchenko, Nick <Tymchenko.Nick@epa.gov>  
**Sent:** Thursday, January 13, 2022 8:23 AM  
**To:** Pachon, Carlos <Pachon.Carlos@epa.gov>  
**Subject:** Sauer Dump schedule

Hi Carlos – do you have a schedule/timeline for the assessment process? I know we discussed the general time line and that it coincides with my FS / PRAP schedule, but I'd like to get a date for submittal of the first draft to place into the AEL reporting documents I prepare.

Thanks,

Nick Tymchenko  
Remedial Project Manager  
Western PA/MD Remedial Section  
Superfund & Emergency Management Division  
US EPA Region 3  
Mail Code 3SD22  
1650 Arch St.  
Philadelphia, PA 19103-2029

(215) 814-2022

Message

---

**From:** DuBois, Sean [Ex. 6 Personal Privacy (PP)]  
**Sent:** 11/23/2021 4:00:16 PM  
**To:** Pachon, Carlos [Pachon.Carlos@epa.gov]; Sinski, Patti [Ex. 6 Personal Privacy (PP)]  
**Subject:** RE: Meeting Request

Sure, I'll send an invite out for Dec 3 2-3pm ET.

**Sean DuBois** | Senior Environmental Analyst [Ex. 6 Personal Privacy (PP)]  
[Ex. 6 Personal Privacy (PP)] | [icf.com](mailto:icf.com)  
ICF | 9300 Lee Highway, Fairfax, VA 22031

---

**From:** Pachon, Carlos <Pachon.Carlos@epa.gov>  
**Sent:** Tuesday, November 23, 2021 9:58 AM  
**To:** DuBois, Sean [Ex. 6 Personal Privacy (PP)]; Sinski, Patti [Ex. 6 Personal Privacy (PP)]>  
**Subject:** RE: Meeting Request

Let's say Friday then, between pick a time 2-3?

Carlos S Pachon  
USEPA Superfund Program  
Washington DC  
(571)2162060  
[Pachon.carlos@epa.gov](mailto:Pachon.carlos@epa.gov)

---

**From:** DuBois, Sean [Ex. 6 Personal Privacy (PP)]  
**Sent:** Tuesday, November 23, 2021 10:55 AM  
**To:** Pachon, Carlos <Pachon.Carlos@epa.gov>; Sinski, Patti [Ex. 6 Personal Privacy (PP)]>  
**Subject:** RE: Meeting Request

Hi Carlos,

Patti is out of the office on Monday, but we are both available throughout the rest of next week.

Thank you for sharing this information, this seems like a great project to be involved in, and in a Superfund phase we can provide maximum benefit.

Thanks,  
Sean

**Sean DuBois** | Senior Environmental Analyst [Ex. 6 Personal Privacy (PP)]  
[Ex. 6 Personal Privacy (PP)] | [icf.com](mailto:icf.com)  
ICF | 9300 Lee Highway, Fairfax, VA 22031

---

**From:** Pachon, Carlos <Pachon.Carlos@epa.gov>  
**Sent:** Tuesday, November 23, 2021 9:43 AM

To: Sinski, Patti <Ex. 6 Personal Privacy (PP)>; DuBois, Sean <Ex. 6 Personal Privacy (PP)>

Subject: FW: Meeting Request

Hi Guys – follow up to my earlier email. Please let me know if you are available Monday afternoon for an internal discussion.

Thanks!

Carlos S Pachon  
USEPA Superfund Program  
Washington DC  
(571)2162060  
[Pachon.carlos@epa.gov](mailto:Pachon.carlos@epa.gov)

---

**From:** Tymchenko, Nick <[Tymchenko.Nick@epa.gov](mailto:Tymchenko.Nick@epa.gov)>

**Sent:** Tuesday, November 23, 2021 10:26 AM

**To:** Pachon, Carlos <[Pachon.Carlos@epa.gov](mailto:Pachon.Carlos@epa.gov)>

**Cc:** Corbett, Chris <[Corbett.Chris@epa.gov](mailto:Corbett.Chris@epa.gov)>; Matzko, Kristine <[Matzko.Kristine@epa.gov](mailto:Matzko.Kristine@epa.gov)>

**Subject:** RE: Meeting Request

Carlos,

Thanks for meeting with us today, a climate vulnerability assessment will provide the Site team valuable information for the analysis of alternatives. I've attached the slides from our meeting this morning and HGL's tech memo.

People Plus account:

<Ex. 6 Personal Privacy (PP)>

SAUER DUMP - PRP RIFS

I look forward to working with you on this.

Nick Tymchenko  
Remedial Project Manager  
Western PA/MD Remedial Section  
Superfund & Emergency Management Division  
US EPA Region 3  
Mail Code 3SD22  
1650 Arch St.  
Philadelphia, PA 19103-2029

(215) 814-2022

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**Cc:** Tymchenko, Nick <[Tymchenko.Nick@epa.gov](mailto:Tymchenko.Nick@epa.gov)>

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**Cc:** Tymchenko, Nick <[Tymchenko.Nick@epa.gov](mailto:Tymchenko.Nick@epa.gov)>  
**Subject:** RE: Meeting Request

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[Pachon.carlos@epa.gov](mailto:Pachon.carlos@epa.gov)

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**Cc:** Tymchenko, Nick <[Tymchenko.Nick@epa.gov](mailto:Tymchenko.Nick@epa.gov)>  
**Subject:** Meeting Request

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Ex. 5 Deliberative Process (DP)

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Message

---

**From:** DuBois, Sean [Ex. 6 Personal Privacy (PP)]  
**Sent:** 11/23/2021 3:54:52 PM  
**To:** Pachon, Carlos [Pachon.Carlos@epa.gov]; Sinski, Patti [Ex. 6 Personal Privacy (PP)]  
**Subject:** RE: Meeting Request

Hi Carlos,

Patti is out of the office on Monday, but we are both available throughout the rest of next week.

Thank you for sharing this information, this seems like a great project to be involved in, and in a Superfund phase we can provide maximum benefit.

Thanks,  
Sean

**Sean DuBois** | Senior Environmental Analyst [Ex. 6 Personal Privacy (PP)]  
[Ex. 6 Personal Privacy (PP)] | [icf.com](mailto:icf.com)  
ICF | 9300 Lee Highway, Fairfax, VA 22031

---

**From:** Pachon, Carlos <Pachon.Carlos@epa.gov>  
**Sent:** Tuesday, November 23, 2021 9:43 AM  
**To:** Sinski, Patti [Ex. 6 Personal Privacy (PP)]; DuBois, Sean <[Ex. 6 Personal Privacy (PP)]>  
**Subject:** FW: Meeting Request

Hi Guys – follow up to my earlier email. Please let me know if you are available Monday afternoon for an internal discussion.

Thanks!

Carlos S Pachon  
USEPA Superfund Program  
Washington DC  
(571)2162060  
[Pachon.carlos@epa.gov](mailto:Pachon.carlos@epa.gov)

---

**From:** Tymchenko, Nick <[Tymchenko.Nick@epa.gov](mailto:Tymchenko.Nick@epa.gov)>  
**Sent:** Tuesday, November 23, 2021 10:26 AM  
**To:** Pachon, Carlos <[Pachon.Carlos@epa.gov](mailto:Pachon.Carlos@epa.gov)>  
**Cc:** Corbett, Chris <[Corbett.Chris@epa.gov](mailto:Corbett.Chris@epa.gov)>; Matzko, Kristine <[Matzko.Kristine@epa.gov](mailto:Matzko.Kristine@epa.gov)>  
**Subject:** RE: Meeting Request

Carlos,

Thanks for meeting with us today, a climate vulnerability assessment will provide the Site team valuable information for the analysis of alternatives. I've attached the slides from our meeting this morning and HGL's tech memo.

People Plus account:

[Ex. 6 Personal Privacy (PP)]

SAUER DUMP - PRP RIFS

I look forward to working with you on this.

Nick Tymchenko  
Remedial Project Manager  
Western PA/MD Remedial Section  
Superfund & Emergency Management Division  
US EPA Region 3  
Mail Code 3SD22  
1650 Arch St.  
Philadelphia, PA 19103-2029

(215) 814-2022

---

**From:** Pachon, Carlos <[Pachon.Carlos@epa.gov](mailto:Pachon.Carlos@epa.gov)>  
**Sent:** Tuesday, November 16, 2021 9:19 AM  
**To:** Corbett, Chris <[Corbett.Chris@epa.gov](mailto:Corbett.Chris@epa.gov)>  
**Cc:** Tymchenko, Nick <[Tymchenko.Nick@epa.gov](mailto:Tymchenko.Nick@epa.gov)>  
**Subject:** RE: Meeting Request

I should add that if you wish, in we have the resources and expertise to conduct a vulnerability assessment through our HQ support (see attachment). You might run a screening first with us, and use the findings to write an SOW for a more robust analysis, if deemed necessary from the screening.

Carlos S Pachon  
USEPA Superfund Program  
Washington DC  
(571)2162060  
[Pachon.carlos@epa.gov](mailto:Pachon.carlos@epa.gov)

---

**From:** Pachon, Carlos  
**Sent:** Tuesday, November 16, 2021 9:06 AM  
**To:** Corbett, Chris <[Corbett.Chris@epa.gov](mailto:Corbett.Chris@epa.gov)>  
**Cc:** Tymchenko, Nick <[Tymchenko.Nick@epa.gov](mailto:Tymchenko.Nick@epa.gov)>  
**Subject:** RE: Meeting Request

Hello Chris – It's good to hear from you and thanks for the feedback on FRTR. I'll be happy to join you on a call, though this week is very bad as I am moving and it coincided with some key deliverables. Please pick any time available next week. FYI I anticipate the SOW language will focus more on the nature of the analyses and questions the vulnerability assessment should address, and less on the specific models and information resources they should use. That will be up to the contractor and their experience and professional judgement.

Carlos S Pachon  
USEPA Superfund Program  
Washington DC  
(571)2162060  
[Pachon.carlos@epa.gov](mailto:Pachon.carlos@epa.gov)

**From:** Corbett, Chris <Corbett.Chris@epa.gov>  
**Sent:** Monday, November 15, 2021 2:55 PM  
**To:** Pachon, Carlos <Pachon.Carlos@epa.gov>  
**Cc:** Tymchenko, Nick <Tymchenko.Nick@epa.gov>  
**Subject:** Meeting Request

While enjoying your training, I can't help but think about the Sauer Dump Site, currently on the Administrator's Emphasis List, which I am working on with RPM Tymchenko. The site is located immediately adjacent to the Back River which flows into the Chesapeake Bay. Pb contaminated soil, as well as various

**Ex. 5 Deliberative Process (DP)**

## **Ex. 5 Deliberative Process (DP)**

Are you available for 15 – 30 minutes to provide suggestions that will assist the development of the SOW, specifically model recommendations (I explained to Nick we may want to evaluate a range of models) and any other activities that Nick should consider.

**Ex. 5 Deliberative Process (DP)**

Thank you for your consideration.



## Appointment

---

**From:** DuBois, Sean [Ex. 6 Personal Privacy (PP)]  
**Sent:** 12/6/2021 5:30:35 PM  
**To:** Pachon, Carlos [Pachon.Carlos@epa.gov]

**Subject:** Accepted: Sauer Dump Climate Vulnerability Assessment - Scoping call  
**Location:** Microsoft Teams Meeting

**Start:** 12/15/2021 8:00:00 PM  
**End:** 12/15/2021 9:00:00 PM  
**Show Time As:** Busy

**Recurrence:** (none)

## Appointment

---

**From:** Tymchenko, Nick [Tymchenko.Nick@epa.gov]

**Sent:** 12/6/2021 6:20:58 PM

**To:** Pachon, Carlos [Pachon.Carlos@epa.gov]

**Subject:** Accepted: Sauer Dump Climate Vulnerability Assessment - Scoping call

**Location:** Microsoft Teams Meeting

**Start:** 12/15/2021 8:00:00 PM

**End:** 12/15/2021 9:00:00 PM

**Show Time As:** Busy

## Appointment

---

**From:** Sinski, Patt [Ex. 6 Personal Privacy (PP)]  
**Sent:** 12/6/2021 6:22:48 PM  
**To:** Pachon, Carlos [Pachon.Carlos@epa.gov]  
**Subject:** Accepted: Sauer Dump Climate Vulnerability Assessment - Scoping call  
**Location:** Microsoft Teams Meeting  
**Start:** 12/15/2021 8:00:00 PM  
**End:** 12/15/2021 9:00:00 PM  
**Show Time As:** Busy  
  
**Recurrence:** (none)

## Appointment

---

**From:** Grismala, Ralph [Ex. 6 Personal Privacy (PP)]  
**Sent:** 12/7/2021 7:31:35 PM  
**To:** Pachon, Carlos [Pachon.Carlos@epa.gov]  
  
**Subject:** Accepted: Sauer Dump Climate Vulnerability Assessment - Scoping call  
**Location:** Microsoft Teams Meeting  
  
**Start:** 12/15/2021 8:00:00 PM  
**End:** 12/15/2021 9:00:00 PM  
**Show Time As:** Busy  
  
**Recurrence:** (none)

## Appointment

---

**From:** Vargo, Amanda [Ex. 6 Personal Privacy (PP)]  
**Sent:** 12/8/2021 3:06:02 PM  
**To:** Pachon, Carlos [Pachon.Carlos@epa.gov]  
  
**Subject:** Accepted: Sauer Dump Climate Vulnerability Assessment - Scoping call  
**Location:** Microsoft Teams Meeting  
  
**Start:** 12/15/2021 8:00:00 PM  
**End:** 12/15/2021 9:00:00 PM  
**Show Time As:** Busy  
  
**Recurrence:** (none)

## Appointment

---

**From:** Microsoft Outlook [MicrosoftExchange329e71ec88ae4615bbc36ab6ce41109e@usepa.onmicrosoft.com]  
on behalf of Tymchenko, Nick [Tymchenko.Nick@epa.gov]  
**Sent:** 12/13/2021 12:10:24 PM  
**To:** Pachon, Carlos [Pachon.Carlos@epa.gov]

**Subject:** Meeting Forward Notification: Sauer Dump Climate Vulnerability Assessment - Scoping call  
**Location:** Microsoft Teams Meeting

**Start:** 12/15/2021 8:00:00 PM  
**End:** 12/15/2021 9:00:00 PM

**Recurrence:** (none)

## Your meeting was forwarded

Tymchenko, Nick has forwarded your meeting request to additional recipients.

### Meeting

Sauer Dump Climate Vulnerability Assessment - Scoping call

### Meeting Time

Wednesday, December 15, 2021 3:00 PM-4:00 PM.

### Recipients

Cron, Mitch

All times listed are in the following time zone: (UTC-05:00) Eastern Time (US & Canada)

---

Sent by Microsoft Exchange Server

## Appointment

---

**From:** Cron, Mitch [Cron.Mitch@epa.gov]  
**Sent:** 12/13/2021 12:43:13 PM  
**To:** Pachon, Carlos [Pachon.Carlos@epa.gov]  
  
**Subject:** Accepted: Sauer Dump Climate Vulnerability Assessment - Scoping call  
**Location:** Microsoft Teams Meeting  
  
**Start:** 12/15/2021 8:00:00 PM  
**End:** 12/15/2021 9:00:00 PM  
**Show Time As:** Busy

Message

---

**From:** Microsoft Power Apps and Power Automate [microsoft@powerapps.com]  
**Sent:** 12/13/2021 9:29:50 PM  
**To:** Pachon, Carlos [Pachon.Carlos@epa.gov]; Balent, Jean [Balent.Jean@epa.gov]; Sinski, Patti [Ex. 6 Personal Privacy (PP)] Barlet, Nathan [barlet.nathan@epa.gov]; DuBois, Sean [Ex. 6 Personal Privacy (PP)]  
**Subject:** A new Climate Assessment Tech Support Request has been submitted for R3: Sauer Dump

Hello

A new request has been submitted for Climate Assessment Tech Support. View the entry at [https://usepa.sharepoint.com/sites/ClimateAssessmentTechnicalSupport/\\_layouts/15/listform.aspx?PageType=4&ListId=6412c402%2D615f%2D48e9%2Db057%2D57aac8a6f75c&ID=22&ContentTypeID=0x0100C8B8934C991B8646B36651FB0BE5AD9D00C1E452CE8E9E0644B8D1483325A61A8F](https://usepa.sharepoint.com/sites/ClimateAssessmentTechnicalSupport/_layouts/15/listform.aspx?PageType=4&ListId=6412c402%2D615f%2D48e9%2Db057%2D57aac8a6f75c&ID=22&ContentTypeID=0x0100C8B8934C991B8646B36651FB0BE5AD9D00C1E452CE8E9E0644B8D1483325A61A8F)

**Request Details:**

**General Site Information**

Created: 2021-12-13T21:28:20Z  
Site Specific Charge Code: N/A  
EPA Region: R3  
Site / OU Name(s) / Address: Sauer Dump  
Site Type (e.g., sediment, mining, dry cleaning): Industrial Waste Disposal  
Remedy Type(s) (e.g., P&T, bioremediation): N/A  
Completed by (enter a valid email address): [Ex. 6 Personal Privacy (PP)]  
CERCLA Cleanup Stage (RI, FS, RD, RA, etc.): RI/FS  
Other Relevant Cleanup Programs (RCRA, UST, etc.):  
Site Lead: PRP  
Special Account (check if yes): False  
Does this site have a Federal Facilities flag in SEMS?: False  
Date of Most Recent Five-Year Review: N/A

**Superfund Cleanup Progress**

Groundwater Environmental Indicator Status: GMUC – Contaminated Groundwater Migration Under Control  
Human Exposer Environmental Indicator Status: HENC - Current Human Exposure Not Controlled  
Site Lacking Progress or Having performance Issues: False  
Site Has Projected Cleanup Date Within 5-15 Years: False  
Site is on EPA Administrators Priorities List: True  
Large, Complex Site: False  
Site Has Stakeholder Conflicts or Concerns: False  
Site is on Reuse/Redevelopment List: False

**Climate Assessment Request**

Reason for Request Concerns regarding containment alternatives being considered given site proximity to floodplains, river, bay.  
Accelerated Review Schedule Requested: False  
Desired Approximate Completion Date: 2022-06-11  
Rationale for Accelerated Review:

**Climate Assessment Site Stakeholders**

Site Stakeholder - RPM Name, Office, Phone and Email: Nick Tymchenko, (215) 814-2022, tymchenko.nick@epa.gov



Site Stakeholder - ARD Regional Coordinator Name, Office, Phone and Email:  
Site Stakeholder - ORD Superfund Technical Support Liason Name, Office, Phone and Email:  
Site Stakeholder - State Regulator Name, Office, Phone and Email:  
Site Stakeholder - Other Federal Agency Name, Office, Phone and Email:  
Site Stakeholder - PRP Name, Office, Phone and Email:  
Site Stakeholder - Regional Branch Chief Name, Office, Phone and Email:  
Site Stakeholder - Regional Section Chief Name, Office, Phone and Email:  
Site Stakeholder - Other POC Name, Office, Phone and Email: Kathy Davies, davies.kathy@epa.gov

**Climate Assessment Project Information**

Brief General Site/Problem Description and Scope as it Pertains to the Climate Assessment Effort: Concerns regarding containment alternatives being considered given site proximity to floodplains, river, bay.

Types of Known Climate Concerns, Areas of Vulnerability or Areas of Focus (e.g., sediment or containment areas, vulnerable infrastructure, flood prone areas, etc.): Partially within floodplain, subject to SLR, hurricanes, other storm events, etc.

List of Documents to Be Reviewed:

If you want to unsubscribe from these emails, please use this [form](#).

## Appointment

---

**From:** Rice, Jim [Ex. 6 Personal Privacy (PP)]  
**Sent:** 12/15/2021 7:55:41 PM  
**To:** Pachon, Carlos [Pachon.Carlos@epa.gov]  
  
**Subject:** Accepted: Sauer Dump Climate Vulnerability Assessment - Scoping call  
**Location:** Microsoft Teams Meeting  
  
**Start:** 12/15/2021 8:00:00 PM  
**End:** 12/15/2021 9:00:00 PM  
**Show Time As:** Busy  
  
**Recurrence:** (none)

Message

---

**From:** DuBois, Sean [Ex. 6 Personal Privacy (PP)]  
**Sent:** 12/15/2021 9:19:15 PM  
**To:** Pachon, Carlos [Pachon.Carlos@epa.gov]; Sinski, Patti [Ex. 6 Personal Privacy (PP)]  
**Subject:** Shared Folder for Sauer Dump

Hi All,

It looks like I don't have the necessary permissions to add new users to the Sauer Dump folder. Carlos, if you have a chance this afternoon to share this with Nick that would be great, otherwise I'm sure Patti will have a minute to add him tomorrow.

[Optimization and Optimization Related Technical Support Files - Sauer Dump - All Documents \(sharepoint.com\)](#)

Thanks,  
Sean

**Sean DuBois** | Senior Environmental Analyst [Ex. 6 Personal Privacy (PP)]  
[Ex. 6 Personal Privacy (PP)] | [icf.com](#)  
ICF | 9300 Lee Highway, Fairfax, VA 22031

Message

---

**From:** DuBois, Sean [Ex. 6 Personal Privacy (PP)]  
**Sent:** 1/14/2022 7:18:04 PM  
**To:** Pachon, Carlos [Pachon.Carlos@epa.gov]  
**CC:** Sinski, Patti [Ex. 6 Personal Privacy (PP)]  
**Subject:** RE: Sauer Dump schedule

I apologize, I was going to talk through this on our check-in call yesterday before I remembered it was cancelled. I spoke with our climate team, and are working towards a meeting to present preliminary results by 2/11, and the preliminary assessment report finalized by 3/4, assuming minor changes between presentation and final report.

Please let us know if you have any questions or comments.

Thanks,  
Sean

**Sean DuBois** | Senior Environmental Analyst [Ex. 6 Personal Privacy (PP)]  
[Ex. 6 Personal Privacy (PP)] [icf.com](mailto:sd@icf.com)  
ICF | 9300 Lee Highway, Fairfax, VA 22031

---

**From:** Pachon, Carlos <Pachon.Carlos@epa.gov>  
**Sent:** Friday, January 14, 2022 1:14 PM  
**To:** Sinski, Patti [Ex. 6 Personal Privacy (PP)]; DuBois, Sean [Ex. 6 Personal Privacy (PP)]  
**Subject:** RE: Sauer Dump schedule

Hello – guys – sorry f I missed your reply. What do I tell Nick?

Carlos S Pachon  
USEPA Superfund Program  
Washington DC  
(571)2162060  
[Pachon.carlos@epa.gov](mailto:Pachon.carlos@epa.gov)

---

**From:** Pachon, Carlos  
**Sent:** Thursday, January 13, 2022 8:44 AM  
**To:** [Ex. 6 Personal Privacy (PP)] DuBois, Sean [Ex. 6 Personal Privacy (PP)]  
**Subject:** FW: Sauer Dump schedule

Hi Guys – please let me know what you can commit to.

Carlos S Pachon  
USEPA Superfund Program  
Washington DC  
(571)2162060  
[Pachon.carlos@epa.gov](mailto:Pachon.carlos@epa.gov)

---

**From:** Tymchenko, Nick <[Tymchenko.Nick@epa.gov](mailto:Tymchenko.Nick@epa.gov)>

**Sent:** Thursday, January 13, 2022 8:23 AM

**To:** Pachon, Carlos <[Pachon.Carlos@epa.gov](mailto:Pachon.Carlos@epa.gov)>

**Subject:** Sauer Dump schedule

Hi Carlos – do you have a schedule/timeline for the assessment process? I know we discussed the general time line and that it coincides with my FS / PRAP schedule, but I'd like to get a date for submittal of the first draft to place into the AEL reporting documents I prepare.

Thanks,

Nick Tymchenko  
Remedial Project Manager  
Western PA/MD Remedial Section  
Superfund & Emergency Management Division  
US EPA Region 3  
Mail Code 3SD22  
1650 Arch St.  
Philadelphia, PA 19103-2029

(215) 814-2022

## Appointment

---

**From:** Tymchenko, Nick [Tymchenko.Nick@epa.gov]  
**Sent:** 1/18/2022 4:09:15 PM  
**To:** Pachon, Carlos [Pachon.Carlos@epa.gov]; Pluta, Bruce [Pluta.Bruce@epa.gov]; Tuttle, Jeffrey [Tuttle.Jeffrey@epa.gov]; Bower, Ryan [Bower.Ryan@epa.gov]  
**CC:** DuBois, Sean [Ex. 6 Personal Privacy (PP)]; Corbett, Chris [Corbett.Chris@epa.gov]  
**Subject:** Placeholder - Sauer Dump climate change vulnerability assessment preliminary results  
**Location:** Microsoft Teams Meeting  
**Start:** 2/10/2022 3:30:00 PM  
**End:** 2/10/2022 4:30:00 PM  
**Show Time As:** Tentative

**Required Attendees:** Pachon, Carlos; Pluta, Bruce; Tuttle, Jeffrey; Bower, Ryan  
**Optional Attendees:** DuBois, Sean; Corbett, Chris

---

## Microsoft Teams meeting

### Join on your computer or mobile app

[Click here to join the meeting](#)

### Join with a video conferencing device

<sip:teams@video.epa.gov>

Video Conference ID: 119 137 974 9

[Alternate VTC instructions](#)

### Or call in (audio only)

[+1 484-352-3221, 747029944#](#) United States, Philadelphia

Phone Conference ID: 747 029 944#

[Find a local number](#) | [Reset PIN](#)

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[Learn More](#) | [Meeting options](#)

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**From:** Pachon, Carlos <[Pachon.Carlos@epa.gov](mailto:Pachon.Carlos@epa.gov)>

**Sent:** Friday, January 14, 2022 2:22 PM  
**To:** Tymchenko, Nick <Tymchenko.Nick@epa.gov>  
**Cc:** DuBois, Sean Ex. 6 Personal Privacy (PP)  
**Subject:** RE: Sauer Dump schedule

Hello Nick – we are aiming to have a call and walk through of preliminary results 2/11. Does 2/11 work for a call? The first draft is due early March, Do you need it earlier?

Thanks, hope you have a great weekend!

Carlos S Pachon  
USEPA Superfund Program  
Washington DC  
(571)2162060  
[Pachon.carlos@epa.gov](mailto:Pachon.carlos@epa.gov)

---

**From:** Tymchenko, Nick <Tymchenko.Nick@epa.gov>  
**Sent:** Thursday, January 13, 2022 8:23 AM  
**To:** Pachon, Carlos <Pachon.Carlos@epa.gov>  
**Subject:** Sauer Dump schedule

Hi Carlos – do you have a schedule/timeline for the assessment process? I know we discussed the general time line and that it coincides with my FS / PRAP schedule, but I'd like to get a date for submittal of the first draft to place into the AEL reporting documents I prepare.

Thanks,

Nick Tymchenko  
Remedial Project Manager  
Western PA/MD Remedial Section  
Superfund & Emergency Management Division  
US EPA Region 3  
Mail Code 3SD22  
1650 Arch St.  
Philadelphia, PA 19103-2029

(215) 814-2022

Message

---

**From:** Tymchenko, Nick [Tymchenko.Nick@epa.gov]  
**Sent:** 1/18/2022 4:15:40 PM  
**To:** Pachon, Carlos [Pachon.Carlos@epa.gov]  
**CC:** DuBois, Sean [Ex. 6 Personal Privacy (PP)]  
**Subject:** RE: Sauer Dump schedule

Good morning – the 2/11 date isn't good, I'm off that day, but I sent out an invite for 2/10 if that works. The draft FS is scheduled for submittal from the PRPs on 2/3, that will coincide nicely with the preliminary results discussion. I will ask if the first draft can be moved up a week? That will assist in the review of the FS.

I have invited the site team (Biological Technical Assistance Group, tox, and hydro) to sit in on the call so they can consider the preliminary results in their review of the FS.

Thanks,

Nick Tymchenko  
Remedial Project Manager  
Western PA/MD Remedial Section  
Superfund & Emergency Management Division  
US EPA Region 3  
Mail Code 3SD22  
1650 Arch St.  
Philadelphia, PA 19103-2029

(215) 814-2022

---

**From:** Pachon, Carlos <Pachon.Carlos@epa.gov>  
**Sent:** Friday, January 14, 2022 2:22 PM  
**To:** Tymchenko, Nick <Tymchenko.Nick@epa.gov>  
**Cc:** DuBois, Sean [Ex. 6 Personal Privacy (PP)]  
**Subject:** RE: Sauer Dump schedule

Hello Nick – we are aiming to have a call and walk through of preliminary results 2/11. Does 2/11 work for a call? The first draft is due early March, Do you need it earlier?

Thanks, hope you have a great weekend!

Carlos S Pachon  
USEPA Superfund Program  
Washington DC  
(571)2162060  
[Pachon.carlos@epa.gov](mailto:Pachon.carlos@epa.gov)

---

**From:** Tymchenko, Nick <Tymchenko.Nick@epa.gov>  
**Sent:** Thursday, January 13, 2022 8:23 AM  
**To:** Pachon, Carlos <Pachon.Carlos@epa.gov>  
**Subject:** Sauer Dump schedule



Hi Carlos – do you have a schedule/timeline for the assessment process? I know we discussed the general time line and that it coincides with my FS / PRAP schedule, but I'd like to get a date for submittal of the first draft to place into the AEL reporting documents I prepare.

Thanks,

Nick Tymchenko  
Remedial Project Manager  
Western PA/MD Remedial Section  
Superfund & Emergency Management Division  
US EPA Region 3  
Mail Code 3SD22  
1650 Arch St.  
Philadelphia, PA 19103-2029

(215) 814-2022

## Appointment

---

**From:** DuBois, Sean [Ex. 6 Personal Privacy (PP)]  
**Sent:** 1/18/2022 6:23:55 PM  
**To:** Tymchenko, Nick [Tymchenko.Nick@epa.gov]  
**CC:** Pachon, Carlos [Pachon.Carlos@epa.gov]  
  
**Subject:** New Time Proposed: Placeholder - Sauer Dump climate change vulnerability assessment preliminary results  
**Location:** Microsoft Teams Meeting  
  
**Start:** 2/10/2022 3:30:00 PM  
**End:** 2/10/2022 4:30:00 PM  
**Show Time As:** Busy  
  
**Recurrence:** (none)

Hi Nick,

Thank you for scheduling this meeting. A few people on our team have a conflict with the first half hour, so can we move the meeting to 11-12pm EST?

Thanks,  
Sean

Message

---

**From:** DuBois, Sean [Ex. 6 Personal Privacy (PP)]  
**Sent:** 2/22/2022 10:28:58 PM  
**To:** Pachon, Carlos [Pachon.Carlos@epa.gov]  
**CC:** Sinski, Patti [Ex. 6 Personal Privacy (PP)], Vargo, Amanda [Ex. 6 Personal Privacy (PP)]  
**Subject:** Sauer Dump Preliminary Climate Vulnerability Assessment - Draft Report

Hi Carlos,

We have completed the draft report for Sauer Dump and have placed it on the EPA Teams page Climate Assessment Technical Support in the following folder:

<https://usepa.sharepoint.com/:f:/r/sites/ClimateAssessmentTechnicalSupport/Shared%20Documents/General/Site%20Specific%20Documents/Sauer%20Dump/Preliminary%20Assessment?csf=1&web=1&e=g68zkM>

Due to the quick turnaround for this report, there is still one additional figure we would like to add. We will have that completed by the end of the week (see the comment in the document), and will provide a final formatting review at that time. We look forward to receiving your comments on the document before you leave on Friday, so that we can provide the report to Nick on Monday, February 28. If you'd like to talk through any comments or questions on the document, please let us know a time you are available later this week.

Thanks,  
Sean

**Sean DuBois** | Senior Environmental Analyst | [Ex. 6 Personal Privacy (PP)]  
[Ex. 6 Personal Privacy (PP)] | [icf.com](mailto:sean.dubois@icf.com)  
ICF | 9300 Lee Highway, Fairfax, VA 22031

Message

---

**From:** DuBois, Sean [Ex. 6 Personal Privacy (PP)]  
**Sent:** 4/28/2022 4:57:12 PM  
**To:** Tymchenko, Nick [Tymchenko.Nick@epa.gov]  
**CC:** Pachon, Carlos [Pachon.Carlos@epa.gov]; Sinski, Patti [Ex. 6 Personal Privacy (PP)]  
**Subject:** RE: Sauer Dump Preliminary Climate Vulnerability Assessment - Technical Memorandum  
**Attachments:** SauerDump\_PrelimClimateAssessment\_Report\_April2022\_SiteTeam.docx

Hi Nick,

Attached is the preliminary climate vulnerability assessment report updated with additional language clarifying the purpose and scope of the assessment that may be more suitable for sharing with other members of the site team. Please let us know if you have any questions now or after sharing with the PRP group.

Thanks,  
Sean

Sean DuBois | Senior Environmental Analyst [Ex. 6 Personal Privacy (PP)]  
[Ex. 6 Personal Privacy (PP)] | [icf.com](mailto:sean@icf.com)  
ICF | 9300 Lee Highway, Fairfax, VA 22031

---

**From:** DuBois, Sean  
**Sent:** Tuesday, April 26, 2022 3:01 PM  
**To:** Tymchenko, Nick <Tymchenko.Nick@epa.gov>  
**Cc:** Pachon, Carlos <Pachon.Carlos@epa.gov>; Sinski, Patti [Ex. 6 Personal Privacy (PP)]  
**Subject:** RE: Sauer Dump Preliminary Climate Vulnerability Assessment - Technical Memorandum

Hi Nick,

**Ex. 5 Deliberative Process (DP)**

# Ex. 5 Deliberative Process (DP)

Thanks,  
Sean

Sean DuBois | Senior Environmental Analyst | **Ex. 6 Personal Privacy (PP)**  
**Ex. 6 Personal Privacy (PP)** | [icf.com](mailto:sean.dubois@icf.com)  
ICF | 9300 Lee Highway, Fairfax, VA 22031

---

**From:** Pachon, Carlos <[Pachon.Carlos@epa.gov](mailto:Pachon.Carlos@epa.gov)>  
**Sent:** Monday, April 25, 2022 12:21 PM  
**To:** Tymchenko, Nick <[Tymchenko.Nick@epa.gov](mailto:Tymchenko.Nick@epa.gov)>; DuBois, Sean | **Ex. 6 Personal Privacy (PP)**  
**Subject:** RE: Sauer Dump Preliminary Climate Vulnerability Assessment - Technical Memorandum

Hello Nick – good to hear from you, and that the report is helping you guide and inform site decisions.

Sean – please advise how to be best reply to the MDE question below, preferably based on information in the report.

## Ex. 5 Deliberative Process (DP)

Thank you  
Carlos S Pachon  
USEPA Superfund Program  
Washington DC  
(571)2162060  
[Pachon.carlos@epa.gov](mailto:Pachon.carlos@epa.gov)

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**From:** Tymchenko, Nick <[Tymchenko.Nick@epa.gov](mailto:Tymchenko.Nick@epa.gov)>  
**Sent:** Monday, April 25, 2022 12:12 PM  
**To:** Pachon, Carlos <[Pachon.Carlos@epa.gov](mailto:Pachon.Carlos@epa.gov)>  
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Thanks,  
Nick

Nick Tymchenko  
Remedial Project Manager  
Western PA/MD Remedial Section  
Superfund & Emergency Management Division  
US EPA Region 3  
Mail Code 3SD22  
1650 Arch St.  
Philadelphia, PA 19103-2029

(215) 814-2022

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**From:** DuBois, Sean <Ex. 6 Personal Privacy (PP)>  
**Sent:** Tuesday, March 01, 2022 12:11 PM  
**To:** Tymchenko, Nick <Tymchenko.Nick@epa.gov>  
**Cc:** Pachon, Carlos <Pachon.Carlos@epa.gov>; Sinski, Patti <Ex. 6 Personal Privacy (PP)> Vargo, Amanda  
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Sean DuBois | Senior Environmental Analyst <Ex. 6 Personal Privacy (PP)>  
<Ex. 6 Personal Privacy (PP)> [icf.com](http://icf.com)  
ICF | 9300 Lee Highway, Fairfax, VA 22031

# Office of Superfund Remediation and Technology Innovation

## Weekly Report

February 18, 2022

### **Ex. 5 Deliberative Process (DP)**

# **Ex. 5 Deliberative Process (DP)**



# Ex. 5 Deliberative Process (DP)

## *SITE-SPECIFIC TECHNICAL SUPPORT*

### Climate Vulnerability Assessments:

- Sauer Dump Site (Dundalk, Maryland) - OSRTI held a debrief with the Region 3 Sauer Dump site team to discuss findings of the site's preliminary climate vulnerability assessment, which the site's remedial project manager(RPM) requested in anticipation of a potentially responsible party (PRP)-lead remedial investigation/feasibility study (RI/FS). The site is on the Chesapeake Bay, an area subject to increasingly frequent inundation from storms, tides, and rising storm surges. The PRP RI/FS includes a climate vulnerability assessment, referencing the recent 2021 OSRTI document, "Memorandum on the Consideration of Climate Resilience." The OSRTI-supported assessment provided the RPM with independent, science based, forward looking climate projections for the site.

# Ex. 5 Deliberative Process (DP)

# **Ex. 5 Deliberative Process (DP)**

# **Ex. 5 Deliberative Process (DP)**

Message

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**From:** Tymchenko, Nick [Tymchenko.Nick@epa.gov]  
**Sent:** 3/1/2022 6:07:28 PM  
**To:** DuBois, Sean [Ex. 6 Personal Privacy (PP)]  
**CC:** Pachon, Carlos [Pachon.Carlos@epa.gov]; Sinski, Patti [Ex. 6 Personal Privacy (PP)]; Vargo, Amanda [Ex. 6 Personal Privacy (PP)]  
**Subject:** RE: Sauer Dump Preliminary Climate Vulnerability Assessment - Technical Memorandum

Thanks -- looking forward to reading this and will set up a time in early April to discuss comments/questions from our review.

Nick Tymchenko  
Remedial Project Manager  
Western PA/MD Remedial Section  
Superfund & Emergency Management Division  
US EPA Region 3  
Mail Code 3SD22  
1650 Arch St.  
Philadelphia, PA 19103-2029

(215) 814-2022

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**From:** DuBois, Sean [Ex. 6 Personal Privacy (PP)]  
**Sent:** Tuesday, March 01, 2022 12:11 PM  
**To:** Tymchenko, Nick <Tymchenko.Nick@epa.gov>  
**Cc:** Pachon, Carlos <Pachon.Carlos@epa.gov>; Sinski, Patti [Ex. 6 Personal Privacy (PP)]; Vargo, Amanda [Ex. 6 Personal Privacy (PP)]  
**Subject:** Sauer Dump Preliminary Climate Vulnerability Assessment - Technical Memorandum

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Thank you,  
Sean

Sean DuBois, Senior Environmental Analyst [Ex. 6 Personal Privacy (PP)]  
[Ex. 6 Personal Privacy (PP)]  
ICF | 9300 Lee Highway, Fairfax, VA 22031

Appointment

---

**From:** Tymchenko, Nick [Tymchenko.Nick@epa.gov]  
**Sent:** 11/17/2021 8:09:00 PM  
**To:** Pachon, Carlos [Pachon.Carlos@epa.gov]; Corbett, Chris [Corbett.Chris@epa.gov]  
**Subject:** Sauer Dump vulnerability assessment  
**Location:** Microsoft Teams Meeting  
  
**Start:** 11/23/2021 2:00:00 PM  
**End:** 11/23/2021 3:00:00 PM  
**Show Time As:** Tentative

**Required Attendees:** Pachon, Carlos; Corbett, Chris

-----  
**From:** Corbett, Chris  
**Sent:** Tuesday, November 16, 2021 12:20 PM  
**To:** Pachon, Carlos  
**Cc:** Tymchenko, Nick  
**Subject:** RE: Meeting Request

Thank you Carlos. I look forward to speaking with you next week...been too long.

**From:** Pachon, Carlos <[Pachon.Carlos@epa.gov](mailto:Pachon.Carlos@epa.gov)>  
**Sent:** Tuesday, November 16, 2021 9:19 AM  
**To:** Corbett, Chris <[Corbett.Chris@epa.gov](mailto:Corbett.Chris@epa.gov)>  
**Cc:** Tymchenko, Nick <[Tymchenko.Nick@epa.gov](mailto:Tymchenko.Nick@epa.gov)>  
**Subject:** RE: Meeting Request

I should add that if you wish, in we have the resources and expertise to conduct a vulnerability assessment through our HQ support (see attachment). You might run a screening first with us, and use the findings to write an SOW for a more robust analysis, if deemed necessary from the screening.

Carlos S Pachon

USEPA Superfund Program

Washington DC

(571)2162060

[Pachon.carlos@epa.gov](mailto:Pachon.carlos@epa.gov)

**From:** Pachon, Carlos  
**Sent:** Tuesday, November 16, 2021 9:06 AM  
**To:** Corbett, Chris <Corbett.Chris@epa.gov>  
**Cc:** Tymchenko, Nick <Tymchenko.Nick@epa.gov>  
**Subject:** RE: Meeting Request

Hello Chris – It's good to hear from you and thanks for the feedback on FRTR. I'll be happy to join you on a call, though this week is very bad as I am moving and it coincided with some key deliverables. Please pick any time available next week. FYI I anticipate the SOW language will focus more on the nature of the analyses and questions the vulnerability assessment should address, and less on the specific models and information resources they should use. That will be up to the contractor and their experience and professional judgement.

Carlos S Pachon

USEPA Superfund Program

Washington DC

(571)2162060

[Pachon.carlos@epa.gov](mailto:Pachon.carlos@epa.gov)

**From:** Corbett, Chris <Corbett.Chris@epa.gov>  
**Sent:** Monday, November 15, 2021 2:55 PM  
**To:** Pachon, Carlos <Pachon.Carlos@epa.gov>  
**Cc:** Tymchenko, Nick <Tymchenko.Nick@epa.gov>  
**Subject:** Meeting Request

While enjoying your training, I can't help but think about the Sauer Dump Site, currently on the Administrator's Emphasis List, which I am working on with RPM Tymchenko. The site is located immediately adjacent to the Back River which flows into the Chesapeake Bay.

**Ex. 5 Deliberative Process (DP)**

Ex. 5 Deliberative Process (DP)

## Ex. 5 Deliberative Process (DP)

Ex. 5 Deliberative Process (DP)

Nick and I have discussed climate concerns and Nick is considering contractor support to assess vulnerability and predict potential climate changes in the immediate and more distant future.

Are you available for 15 – 30 minutes to provide suggestions that will assist the development of the SOW, specifically model recommendations (I explained to Nick we may want to evaluate a range of models) and any other activities that Nick should consider.

Ex. 5 Deliberative Process (DP)

Ex. 5 Deliberative Process (DP)

Thank you for your consideration.

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### Microsoft Teams meeting

**Join on your computer or mobile app**

[Click here to join the meeting](#)

**Or call in (audio only)**

[+1 484-352-3221, 944077233#](#) United States, Philadelphia

Phone Conference ID: 944 077 233#

[Find a local number](#) | [Reset PIN](#)

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[Learn More](#) | [Meeting options](#)

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Message

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**From:** Tymchenko, Nick [Tymchenko.Nick@epa.gov]  
**Sent:** 4/25/2022 4:11:36 PM  
**To:** Pachon, Carlos [Pachon.Carlos@epa.gov]  
**Subject:** RE: Sauer Dump Preliminary Climate Vulnerability Assessment - Technical Memorandum

Carlos,

As discussed, thanks for the preliminary report. The Site team has referred to the report in its review of the draft FS for the Sauer Dump Site and I'll be providing the PRP Group comments and the report later this week. At this time we don't anticipate the need for future analysis as the presentation in the report was

clear.

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Superfund & Emergency Management Division  
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**From:** DuBois, Sean [Ex. 6 Personal Privacy (PP)]  
**Sent:** Tuesday, March 01, 2022 12:11 PM  
**To:** Tymchenko, Nick <Tymchenko.Nick@epa.gov>  
**Cc:** Pachon, Carlos <Pachon.Carlos@epa.gov>; Sinski, Patti [Ex. 6 Personal Privacy (PP)]; Vargo, Amanda  
<[Ex. 6 Personal Privacy (PP)]>  
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Thank you,  
Sean



**Sean DuBois** | Senior Environmental Analyst

**Ex. 6 Personal Privacy (PP)**

**Ex. 6 Personal Privacy (PP)** | [icf.com](http://icf.com)

ICF | 9300 Lee Highway, Fairfax, VA 22031

Message

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**From:** DuBois, Sean [Ex. 6 Personal Privacy (PP)]  
**Sent:** 3/1/2022 5:10:35 PM  
**To:** Tymchenko, Nick [Tymchenko.Nick@epa.gov]  
**CC:** Pachon, Carlos [Pachon.Carlos@epa.gov]; Sinski, Patti [Ex. 6 Personal Privacy (PP)]; Vargo, Amanda [Ex. 6 Personal Privacy (PP)]  
**Subject:** Sauer Dump Preliminary Climate Vulnerability Assessment - Technical Memorandum  
**Attachments:** SauerDump\_PrelimClimateAssessment\_Report\_March2022.docx

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Thank you,  
Sean

**Sean DuBois** | Senior Environmental Analyst | [Ex. 6 Personal Privacy (PP)]  
[Ex. 6 Personal Privacy (PP)] | [icf.com](mailto:sean.dubois@icf.com)  
ICF | 9300 Lee Highway, Fairfax, VA 22031

Message

---

**From:** DuBois, Sean [Ex. 6 Personal Privacy (PP)]  
**Sent:** 4/25/2022 8:23:05 PM  
**To:** Pachon, Carlos [Pachon.Carlos@epa.gov]  
**CC:** Sinski, Patti [Ex. 6 Personal Privacy (PP)]  
**Subject:** RE: Sauer Dump Preliminary Climate Vulnerability Assessment - Technical Memorandum

Hi Carlos,

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We have traditionally viewed the preliminary report as an internal deliberative document, with a note in the footer of the document describing it as such. A couple reasons for this include:

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Please let us know how you would like to proceed.

Thanks,  
Sean

**Sean DuBois** | Senior Environmental Analyst [Ex. 6 Personal Privacy (PP)]  
[Ex. 6 Personal Privacy (PP)] | [icf.com](mailto:sean.dubois@icf.com)  
ICF | 9300 Lee Highway, Fairfax, VA 22031

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**Sent:** Monday, April 25, 2022 12:21 PM  
**To:** Tymchenko, Nick <Tymchenko.Nick@epa.gov>; DuBois, Sean [Ex. 6 Personal Privacy (PP)]  
**Subject:** RE: Sauer Dump Preliminary Climate Vulnerability Assessment - Technical Memorandum

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Sean – please advise how to be best reply to the MDE question below, preferably based on information in the report.

**Ex. 5 Deliberative Process (DP)**

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Carlos S Pachon  
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Washington DC  
(571)2162060  
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Thanks,  
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Western PA/MD Remedial Section  
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Ex. 6 Personal Privacy (PP)

Ex. 6 Personal Privacy (PP) | [icf.com](mailto:sean@icf.com)

ICF | 9300 Lee Highway, Fairfax, VA 22031

Message

---

**From:** DuBois, Sean [Ex. 6 Personal Privacy (PP)]  
**Sent:** 4/25/2022 8:44:07 PM  
**To:** Pachon, Carlos [Pachon.Carlos@epa.gov]  
**CC:** Sinski, Patti [Ex. 6 Personal Privacy (PP)]  
**Subject:** RE: Sauer Dump Preliminary Climate Vulnerability Assessment - Technical Memorandum

Yes it is pretty straightforward, just wanted to confirm my summary of the climate tools with our climate team. I sent them another reminder email so hopefully will have the response finalized soon.

**Sean DuBois** | Senior Environmental Analyst [Ex. 6 Personal Privacy (PP)]  
[Ex. 6 Personal Privacy (PP)] | icf.com  
ICF | 9300 Lee Highway, Fairfax, VA 22031

---

**From:** Pachon, Carlos <Pachon.Carlos@epa.gov>  
**Sent:** Monday, April 25, 2022 3:38 PM  
**To:** DuBois, Sean [Ex. 6 Personal Privacy (PP)]  
**Cc:** Sinski, Patti <[Ex. 6 Personal Privacy (PP)]>  
**Subject:** RE: Sauer Dump Preliminary Climate Vulnerability Assessment - Technical Memorandum

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Carlos S Pachon  
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Sean DuBois, Senior Environmental Analyst

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Ex. 6 Personal Privacy (PP)

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**To:** Tymchenko, Nick <Tymchenko.Nick@epa.gov>; DuBois, Sean

Ex. 6 Personal Privacy (PP)

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Washington DC

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[Pachon.carlos@epa.gov](mailto:Pachon.carlos@epa.gov)

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Nick

Nick Tymchenko  
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Western PA/MD Remedial Section  
Superfund & Emergency Management Division  
US EPA Region 3  
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<[Ex. 6 Personal Privacy (PP)]> | [icf.com](http://icf.com)  
ICF | 9300 Lee Highway, Fairfax, VA 22031



Message

---

**From:** DuBois, Sean [Ex. 6 Personal Privacy (PP)]  
**Sent:** 4/26/2022 1:13:17 PM  
**To:** Pachon, Carlos [Pachon.Carlos@epa.gov]  
**CC:** Sinski, Patti [Ex. 6 Personal Privacy (PP)]  
**Subject:** RE: Sauer Dump Preliminary Climate Vulnerability Assessment - Technical Memorandum

Hi Carlos,

# Ex. 5 Deliberative Process (DP)

Thanks,  
Sean

**Sean DuBois** | Senior Environmental Analyst [Ex. 6 Personal Privacy (PP)]  
[Ex. 6 Personal Privacy (PP)] [icf.com]  
ICF | 9300 Lee Highway, Fairfax, VA 22031

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**To:** Pachon, Carlos <Pachon.Carlos@epa.gov>  
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**From:** Pachon, Carlos <[Pachon.Carlos@epa.gov](mailto:Pachon.Carlos@epa.gov)>

**Sent:** Monday, April 25, 2022 12:21 PM

**To:** Tymchenko, Nick <[Tymchenko.Nick@epa.gov](mailto:Tymchenko.Nick@epa.gov)>; DuBois, Sean <[Ex. 6 Personal Privacy \(PP\)](#)>

**Subject:** RE: Sauer Dump Preliminary Climate Vulnerability Assessment - Technical Memorandum

Hello Nick – good to hear from you, and that the report is helping you guide and inform site decisions.

Sean – please advise how to best reply to the MDE question below, preferably based on information in the report.

## Ex. 5 Deliberative Process (DP)

Thank you

Carlos S Pachon

USEPA Superfund Program

Washington DC

(571)2162060

[Pachon.carlos@epa.gov](mailto:Pachon.carlos@epa.gov)

---

**From:** Tymchenko, Nick <[Tymchenko.Nick@epa.gov](mailto:Tymchenko.Nick@epa.gov)>

**Sent:** Monday, April 25, 2022 12:12 PM

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# Ex. 5 Deliberative Process (DP)

Thanks,  
Nick

Nick Tymchenko  
Remedial Project Manager  
Western PA/MD Remedial Section  
Superfund & Emergency Management Division  
US EPA Region 3  
Mail Code 3SD22  
1650 Arch St.  
Philadelphia, PA 19103-2029

(215) 814-2022

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**From:** DuBois, Sean <Ex. 6 Personal Privacy (PP)>  
**Sent:** Tuesday, March 01, 2022 12:11 PM  
**To:** Tymchenko, Nick <Tymchenko.Nick@epa.gov>  
**Cc:** Pachon, Carlos <Pachon.Carlos@epa.gov>; Sinski, Patti <Ex. 6 Personal Privacy (PP)>; Vargo, Amanda  
<Ex. 6 Personal Privacy (PP)>  
**Subject:** Sauer Dump Preliminary Climate Vulnerability Assessment - Technical Memorandum

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Sean

**Sean DuBois** | Senior Environmental Analyst <Ex. 6 Personal Privacy (PP)>  
<Ex. 6 Personal Privacy (PP)>@icf.com  
ICF | 9300 Lee Highway, Fairfax, VA 22031

Message

---

**From:** DuBois, Sean [Ex. 6 Personal Privacy (PP)]  
**Sent:** 4/26/2022 1:22:16 PM  
**To:** Pachon, Carlos [Pachon.Carlos@epa.gov]  
**CC:** Sinski, Patti [Ex. 6 Personal Privacy (PP)]  
**Subject:** RE: Sauer Dump Preliminary Climate Vulnerability Assessment - Technical Memorandum

Hi Carlos,

# Ex. 5 Deliberative Process (DP)

**Sean DuBois** | Senior Environmental Analyst [Ex. 6 Personal Privacy (PP)]  
[Ex. 6 Personal Privacy (PP)] [icf.com](mailto:sean.dubois@icf.com)  
ICF | 9300 Lee Highway, Fairfax, VA 22031

---

**From:** DuBois, Sean  
**Sent:** Tuesday, April 26, 2022 8:13 AM  
**To:** Pachon, Carlos <Pachon.Carlos@epa.gov>  
**Cc:** Sinski, Patti [Ex. 6 Personal Privacy (PP)]  
**Subject:** RE: Sauer Dump Preliminary Climate Vulnerability Assessment - Technical Memorandum

Hi Carlos,

Below is our response to MDE's question. We are happy to answer any other questions from MDE about the Sauer Dump preliminary climate vulnerability assessment or how it relates to the GAO report. I can send the response to Nick if you'd like, just wanted to see if you preferred to discuss options regarding the report at the same time.

MDE's question:

# Ex. 5 Deliberative Process (DP)

Thanks,  
Sean

Sean DuBois | Senior Environmental Analyst

Ex. 6 Personal Privacy (PP)

Ex. 6 Personal Privacy (PP) | [icf.com](mailto:sean.dubois@icf.com)

ICF | 9300 Lee Highway, Fairfax, VA 22031

---

**From:** DuBois, Sean

**Sent:** Monday, April 25, 2022 3:44 PM

**To:** Pachon, Carlos <[Pachon.Carlos@epa.gov](mailto:Pachon.Carlos@epa.gov)>

**Cc:** Sinski, Patti <[Ex. 6 Personal Privacy \(PP\)](#)>

**Subject:** RE: Sauer Dump Preliminary Climate Vulnerability Assessment - Technical Memorandum

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Sean DuBois | Senior Environmental Analyst

Ex. 6 Personal Privacy (PP)

Ex. 6 Personal Privacy (PP) | [icf.com](mailto:sean.dubois@icf.com)

ICF | 9300 Lee Highway, Fairfax, VA 22031

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**Sent:** Monday, April 25, 2022 3:38 PM

**To:** DuBois, Sean

**Cc:** Sinski, Patti <[Ex. 6 Personal Privacy \(PP\)](#)>

**Subject:** RE: Sauer Dump Preliminary Climate Vulnerability Assessment - Technical Memorandum

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Carlos S Pachon  
USEPA Superfund Program  
Washington DC  
(571)2162060  
[Pachon.carlos@epa.gov](mailto:Pachon.carlos@epa.gov)

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**Cc:** Sinski, Patti [Ex. 6 Personal Privacy (PP)]  
**Subject:** RE: Sauer Dump Preliminary Climate Vulnerability Assessment - Technical Memorandum

Hi Carlos,

From Nick's message below, it appears that he is planning to send the preliminary climate vulnerability assessment report to the PRP group at the end of this week.

We have traditionally viewed the preliminary report as an internal deliberative document, with a note in the footer of the document describing it as such. A couple reasons for this include:

1. The full assessment report template includes a longer introduction section with additional language to clarify the scope of the report and how it should be used. We did of course add some of that language to the preliminary report, but since we expected the full report may be shared with other stakeholders, we expanded upon that section in the full report.

## 2. Ex. 5 Deliberative Process (DP)

It may be beneficial to at least transfer the preliminary report into the full report format, or copy the additional text present in the full report template into the introduction of the existing preliminary report. Either way, it would allow for the additional language scoping the report to be included. Given the timeframe of providing the report to the PRP by the end of the week, we wouldn't be able to add any additional analyses or model projections. However, since some of the primary risks at the site are associated with the climate parameters such as sea level rise that did not use 90<sup>th</sup> percentile and RCP 8.5 model results, this may be less of a concern for Sauer Dump.

Please let us know how you would like to proceed.

Thanks,  
Sean

---

**Sean DuBois** | Senior Environmental Analyst [Ex. 6 Personal Privacy (PP)]  
[Ex. 6 Personal Privacy (PP)] | [icf.com](http://icf.com)  
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Hello Nick – good to hear from you, and that the report is helping you guide and inform site decisions.

Sean – please advise how to be best reply to the MDE question below, preferably based on information in the report.

## Ex. 5 Deliberative Process (DP)

Thank you

Carlos S Pachon

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**Sent:** Monday, April 25, 2022 12:12 PM

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## Ex. 5 Deliberative Process (DP)

Thanks,

Nick

Nick Tymchenko

Remedial Project Manager

Western PA/MD Remedial Section

Superfund & Emergency Management Division

US EPA Region 3



Mail Code 3SD22  
1650 Arch St.  
Philadelphia, PA 19103-2029

(215) 814-2022

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**Sent:** Tuesday, March 01, 2022 12:11 PM  
**To:** Tymchenko, Nick <Tymchenko.Nick@epa.gov>  
**Cc:** Pachon, Carlos <Pachon.Carlos@epa.gov>; Sinski, Patti [Ex. 6 Personal Privacy (PP)] Vargo, Amanda [Ex. 6 Personal Privacy (PP)]  
**Subject:** Sauer Dump Preliminary Climate Vulnerability Assessment - Technical Memorandum

Hi Nick,

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Thank you,  
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Sean DuBois, L. Senior Environmental Analyst [Ex. 6 Personal Privacy (PP)]  
[Ex. 6 Personal Privacy (PP)] | icf.com  
ICF | 9300 Lee Highway, Fairfax, VA 22031

Message

---

**From:** Sinski, Patti [Ex. 6 Personal Privacy (PP)]  
**Sent:** 4/26/2022 2:27:28 PM  
**To:** Pachon, Carlos [Pachon.Carlos@epa.gov]; DuBois, Sean [Ex. 6 Personal Privacy (PP)]  
**Subject:** RE: Sauer Dump Preliminary Climate Vulnerability Assessment - Technical Memorandum

I think it is possible to transition from what GAO did to explain what we did. However, while we are both attempting to show the impact of sea level rise, it is not correct that we used the GAO scenario, we do not use the 8ft scenario in the timeframes we provide. They used 8ft to see what would happen if there was 8 ft of SLR with no indication that that is likely or even possible in that area.

**PATTI SINISKI** | Director, Environmental Programs [Ex. 6 Personal Privacy (PP)]  
[Ex. 6 Personal Privacy (PP)] | [icf.com](mailto:patti@icf.com)

ICF | 9300 Lee Highway, Fairfax, VA 20148 USA | [Ex. 6 Personal Privacy (PP)]

[Twitter](#) | [LinkedIn](#)

---

**From:** Pachon, Carlos <Pachon.Carlos@epa.gov>  
**Sent:** Tuesday, April 26, 2022 9:27 AM  
**To:** DuBois, Sean <[Ex. 6 Personal Privacy (PP)]>  
**Cc:** Sinski, Patti <Patti.Sinski@epa.gov>  
**Subject:** RE: Sauer Dump Preliminary Climate Vulnerability Assessment - Technical Memorandum

Please do share your response with Nick, along with the reminder that the report is written for internal audiences. Two thoughts:

1. You describe the report's analysis, and then the GAO analysis. Could you add one sentence on the overlap, such as "Therefore the vulnerability screening assessment encompasses the scenario identified in the GAO report, though using a different approach".
2. If you offer the modified caveat language please provide a timeframe for when we could get I to him.

Thank you!

Carlos S Pachon  
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Washington DC  
(571)2162060  
[Pachon.carlos@epa.gov](mailto:Pachon.carlos@epa.gov)

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Hi Carlos,

**Ex. 5 Deliberative Process (DP)**

# Ex. 5 Deliberative Process (DP)

Sean

Sean DuBois | Senior Environmental Analyst

Ex. 6 Personal Privacy (PP)

Ex. 6 Personal Privacy (PP) | [icf.com](mailto:sean.dubois@icf.com)

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Remedial Project Manager

Western PA/MD Remedial Section

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ICF | 9300 Lee Highway, Fairfax, VA 22031

Message

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**From:** DuBois, Sean [Ex. 6 Personal Privacy (PP)]  
**Sent:** 4/26/2022 8:00:51 PM  
**To:** Tymchenko, Nick [Tymchenko.Nick@epa.gov]  
**CC:** Pachon, Carlos [Pachon.Carlos@epa.gov]; Sinski, Patti [Ex. 6 Personal Privacy (PP)]  
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[Ex. 6 Personal Privacy (PP)] [icf.com](http://icf.com)

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Washington DC

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Western PA/MD Remedial Section

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<Ex. 6 Personal Privacy (PP)> | icf.com  
ICF | 9300 Lee Highway, Fairfax, VA 22031

## Appointment

---

**From:** Pachon, Carlos [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=652b20ff4ba343adb2d4c34b955b5618-CPACHON]  
**Sent:** 11/23/2021 6:06:20 PM  
**To:** DuBois, Sean [Ex. 6 Personal Privacy (PP)]  
**Subject:** Accepted: Sauer Dump Climate Vulnerability Assessment Discussion  
**Location:** Microsoft Teams Meeting  
**Start:** 12/3/2021 7:00:00 PM  
**End:** 12/3/2021 8:00:00 PM  
**Show Time As:** Busy

## Appointment

---

**From:** Pachon, Carlos [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=652b20ff4ba343adb2d4c34b955b5618-CPACHON]  
**Sent:** 12/6/2021 5:29:45 PM  
**To:** Tymchenko, Nick [Tymchenko.Nick@epa.gov]; Corbett, Chris [Corbett.Chris@epa.gov]; Patti Sinski  
Ex. 6 Personal Privacy (PP) DuBois, Sean Ex. 6 Personal Privacy (PP)  
**Subject:** Sauer Dump Climate Vulnerability Assessment - Scoping call  
**Location:** Microsoft Teams Meeting  
**Start:** 12/15/2021 8:00:00 PM  
**End:** 12/15/2021 9:00:00 PM  
**Show Time As:** Tentative

**Required Attendees:** Tymchenko, Nick; Corbett, Chris; Patti Sinski; DuBois, Sean

Agenda coming shortly

---

## Microsoft Teams meeting

### Join on your computer or mobile app

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**Sent:** 12/15/2021 7:50:34 PM  
**To:** Tymchenko, Nick [Tymchenko.Nick@epa.gov]; Corbett, Chris [Corbett.Chris@epa.gov]; Patti Sinski [Ex. 6 Personal Privacy (PP)]; DuBois, Sean [Ex. 6 Personal Privacy (PP)]  
**CC:** Grismala, Ralph [Ex. 6 Personal Privacy (PP)]; Vargo, Amanda [Ex. 6 Personal Privacy (PP)]; Cron, Mitch [Cron.Mitch@epa.gov]  
**Subject:** Sauer Dump Climate Vulnerability Assessment - Scoping call  
**Location:** Microsoft Teams Meeting  
**Start:** 12/15/2021 8:00:00 PM  
**End:** 12/15/2021 9:00:00 PM  
**Show Time As:** Tentative

**Required Attendees:** Tymchenko, Nick; Corbett, Chris; Patti Sinski; DuBois, Sean  
**Optional Attendees:** Grismala, Ralph; Vargo, Amanda; Cron, Mitch

### Scoping Call Agenda

#### Climate Assessment Review

#### Sauer Dump

December 15, 2021, 3pm-4pm EDT

#### Participants:

- EPA:
  - Carlos Pachon, EPA HQ OSRTI, Project Lead
  - Nick Tymchenko, EPA Region 3, RPM
  - Chris Corbett, EPA Region 3
- Contractor:
  - Patti Sinski, ICF TO Lead
  - Sean DuBois, ICF Climate Lead
  - Amanda Vargo, ICF Climate Scientist
  - Ralph Grismala, P.E., ICF Remediation Lead, Engineer

## Summary Agenda

- Introductions (All)
  - Climate Assessment Process Overview (ICF)
  - Reason for Assessment (RPM)
    - Previous climate events impacting the site and remedies
    - Consideration of climate data during investigation (historic or future)
    - Community interest in climate impacts at the site
  - Site Overview (RPM)
  - Discussion (All)
    - Primary focus of this assessment
    - Previous actions performed at the site
    - Status of the ongoing FS
    - Climate assessment described in Appendix C of DAA
  - Questions about Scope and Expectations (All)
  - Data and Documents for Review (All)
  - Next Steps/Conclusion (All)
- 

## Microsoft Teams meeting

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Phone Conference ID: 408 321 1#

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[Learn More](#) | [Meeting options](#)

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Message

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**Sent:** 11/23/2021 3:09:52 PM  
**To:** Patti Sinski [Ex. 6 Personal Privacy (PP)]; DuBois, Sean [Ex. 6 Personal Privacy (PP)]  
**Subject:** FW: Meeting Request

Hello Patti:

I had a very good conversation with Nick and Chris. And they are not looking at an SOW, that might come latter. It turns out it is not a sediments site, but it is in the Chesapeake Bay and all under the 500yr floodplain. They have received the alternatives analysis and what we agreed we can provide is a climate vulnerability screen that will provide critical sensitivity questions related to remedy protectiveness, particularly the on-site consolidation option. Nick will be forwarding the Alternatives Analysis and a floodplain analysis HGL did, via the USACE, of the site. I'll send these to you, we have a second internal scoping conversation, and once we then have a first scoping call where we tell Nick what we understand he needs and propose providing. The report will go into the administrative record.

Please proceed with the COI, and track costs for this project as it is cost recoverable. I anticipate we'll get back on the phone with them the second week of December, and I offered a first analysis late January/Early February as a ballpark. We can talk again next week. Monday afternoon is wide open.

Seems like a great fit for the support we are setting up.

Thank you and happy holidays!

Carlos S Pachon  
USEPA Superfund Program  
Washington DC  
(571)2162060  
Pachon.carlos@epa.gov

---

**From:** Corbett, Chris <Corbett.Chris@epa.gov>  
**Sent:** Tuesday, November 16, 2021 12:20 PM  
**To:** Pachon, Carlos <Pachon.Carlos@epa.gov>  
**Cc:** Tymchenko, Nick <Tymchenko.Nick@epa.gov>  
**Subject:** RE: Meeting Request

Thank you Carlos. I look forward to speaking with you next week...been too long.

---

**From:** Pachon, Carlos <Pachon.Carlos@epa.gov>  
**Sent:** Tuesday, November 16, 2021 9:19 AM  
**To:** Corbett, Chris <Corbett.Chris@epa.gov>  
**Cc:** Tymchenko, Nick <Tymchenko.Nick@epa.gov>  
**Subject:** RE: Meeting Request

I should add that if you wish, in we have the resources and expertise to conduct a vulnerability assessment through our HQ support (see attachment). You might run a screening first with us, and use the findings to write an SOW for a more robust analysis, if deemed necessary from the screening.

Carlos S Pachon  
USEPA Superfund Program  
Washington DC  
(571)2162060  
[Pachon.carlos@epa.gov](mailto:Pachon.carlos@epa.gov)

---

**From:** Pachon, Carlos  
**Sent:** Tuesday, November 16, 2021 9:06 AM  
**To:** Corbett, Chris <[Corbett.Chris@epa.gov](mailto:Corbett.Chris@epa.gov)>  
**Cc:** Tymchenko, Nick <[Tymchenko.Nick@epa.gov](mailto:Tymchenko.Nick@epa.gov)>  
**Subject:** RE: Meeting Request

Hello Chris – It's good to hear from you and thanks for the feedback on FRTR. I'll be happy to join you on a call, though this week is very bad as I am moving and it coincided with some key deliverables. Please pick any time available next week. FYI I anticipate the SOW language will focus more on the nature of the analyses and questions the vulnerability assessment should address, and less on the specific models and information resources they should use. That will be up to the contractor and their experience and professional judgement.

Carlos S Pachon  
USEPA Superfund Program  
Washington DC  
(571)2162060  
[Pachon.carlos@epa.gov](mailto:Pachon.carlos@epa.gov)

---

**From:** Corbett, Chris <[Corbett.Chris@epa.gov](mailto:Corbett.Chris@epa.gov)>  
**Sent:** Monday, November 15, 2021 2:55 PM  
**To:** Pachon, Carlos <[Pachon.Carlos@epa.gov](mailto:Pachon.Carlos@epa.gov)>  
**Cc:** Tymchenko, Nick <[Tymchenko.Nick@epa.gov](mailto:Tymchenko.Nick@epa.gov)>  
**Subject:** Meeting Request

While enjoying your training, I can't help but think about the Sauer Dump Site, currently on the Administrator's Emphasis List, which I am working on with RPM Tymchenko. The site is located immediately adjacent to the Back River which flows into the Chesapeake Bay. T

**Ex. 5 Deliberative Process (DP)**

**Ex. 5 Deliberative Process (DP)**

Are you available for 15 – 30 minutes to provide suggestions that will assist the development of the SOW, specifically model recommendations (I explained to Nick we may want to evaluate a range of models) and any other activities that Nick should consider.

**Ex. 5 Deliberative Process (DP)**

Ex. 5 Attorney Work Product (AWP)

Thank you for your consideration.

Message

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**From:** Pachon, Carlos [/O=EXCHANGELABS/OU=EXCHANGE ADMINISTRATIVE GROUP (FYDIBOHF23SPDLT)/CN=RECIPIENTS/CN=652B20FF4BA343ADB2D4C34B955B5618-CPACHON]  
**Sent:** 1/14/2022 7:22:21 PM  
**To:** Tymchenko, Nick [Tymchenko.Nick@epa.gov]  
**CC:** DuBois, Sean [Ex. 6 Personal Privacy (PP)]  
**Subject:** RE: Sauer Dump schedule

Hello Nick – we are aiming to have a call and walk through of preliminary results 2/11. Does 2/11 work for a call? The first draft is due early March, Do you need it earlier?

Thanks, hope you have a great weekend!

Carlos S Pachon  
USEPA Superfund Program  
Washington DC  
(571)2162060  
Pachon.carlos@epa.gov

---

**From:** Tymchenko, Nick <Tymchenko.Nick@epa.gov>  
**Sent:** Thursday, January 13, 2022 8:23 AM  
**To:** Pachon, Carlos <Pachon.Carlos@epa.gov>  
**Subject:** Sauer Dump schedule

Hi Carlos – do you have a schedule/timeline for the assessment process? I know we discussed the general time line and that it coincides with my FS / PRAP schedule, but I'd like to get a date for submittal of the first draft to place into the AEL reporting documents I prepare.

Thanks,

Nick Tymchenko  
Remedial Project Manager  
Western PA/MD Remedial Section  
Superfund & Emergency Management Division  
US EPA Region 3  
Mail Code 3SD22  
1650 Arch St.  
Philadelphia, PA 19103-2029

(215) 814-2022



Message

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**From:** Pachon, Carlos [/O=EXCHANGELABS/OU=EXCHANGE ADMINISTRATIVE GROUP (FYDIBOHF23SPDLT)/CN=RECIPIENTS/CN=652B20FF4BA343ADB2D4C34B955B5618-CPACHON]  
**Sent:** 1/14/2022 7:13:52 PM  
**To:** [Ex. 6 Personal Privacy (PP)] DuBois, Sean [Ex. 6 Personal Privacy (PP)]  
**Subject:** RE: Sauer Dump schedule

Hello – guys – sorry f I missed your reply. What do I tell Nick?

Carlos S Pachon  
USEPA Superfund Program  
Washington DC  
(571)2162060  
Pachon.carlos@epa.gov

---

**From:** Pachon, Carlos  
**Sent:** Thursday, January 13, 2022 8:44 AM  
**To:** [Ex. 6 Personal Privacy (PP)]; DuBois, Sean [Ex. 6 Personal Privacy (PP)]  
**Subject:** FW: Sauer Dump schedule

Hi Guys – please let me know what you can commit to.

Carlos S Pachon  
USEPA Superfund Program  
Washington DC  
(571)2162060  
Pachon.carlos@epa.gov

---

**From:** Tymchenko, Nick <Tymchenko.Nick@epa.gov>  
**Sent:** Thursday, January 13, 2022 8:23 AM  
**To:** Pachon, Carlos <Pachon.Carlos@epa.gov>  
**Subject:** Sauer Dump schedule

Hi Carlos – do you have a schedule/timeline for the assessment process? I know we discussed the general time line and that it coincides with my FS / PRAP schedule, but I'd like to get a date for submittal of the first draft to place into the AEL reporting documents I prepare.

Thanks,

Nick Tymchenko  
Remedial Project Manager  
Western PA/MD Remedial Section  
Superfund & Emergency Management Division  
US EPA Region 3  
Mail Code 3SD22  
1650 Arch St.  
Philadelphia, PA 19103-2029

(215) 814-2022

Message

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**From:** Pachon, Carlos [/O=EXCHANGELABS/OU=EXCHANGE ADMINISTRATIVE GROUP (FYDIBOHF23SPDLT)/CN=RECIPIENTS/CN=652B20FF4BA343ADB2D4C34B955B5618-CPACHON]  
**Sent:** 1/14/2022 7:19:51 PM  
**To:** DuBois, Sean [Ex. 6 Personal Privacy (PP)]  
**CC:** Sinski, Patti [P]  
**Subject:** RE: Sauer Dump schedule

Thanks – I'll let Nick know we're aiming for 2/11 for preliminary results.

Carlos S Pachon  
USEPA Superfund Program  
Washington DC  
(571)2162060  
Pachon.carlos@epa.gov

---

**From:** DuBois, Sean [Ex. 6 Personal Privacy (PP)]  
**Sent:** Friday, January 14, 2022 2:18 PM  
**To:** Pachon, Carlos <Pachon.Carlos@epa.gov>  
**Cc:** Sinski, Patti [Ex. 6 Personal Privacy (PP)]  
**Subject:** RE: Sauer Dump schedule

I apologize, I was going to talk through this on our check-in call yesterday before I remembered it was cancelled. I spoke with our climate team, and are working towards a meeting to present preliminary results by 2/11, and the preliminary assessment report finalized by 3/4, assuming minor changes between presentation and final report.

Please let us know if you have any questions or comments.

Thanks,  
Sean

**Sean DuBois** | Senior Environmental Analyst [Ex. 6 Personal Privacy (PP)]  
[Ex. 6 Personal Privacy (PP)] | [icf.com](mailto:sean@icf.com)  
ICF | 9300 Lee Highway, Fairfax, VA 22031

---

**From:** Pachon, Carlos <Pachon.Carlos@epa.gov>  
**Sent:** Friday, January 14, 2022 1:14 PM  
**To:** Sinski, Patti [Ex. 6 Personal Privacy (PP)]; DuBois, Sean [Ex. 6 Personal Privacy (PP)]  
**Subject:** RE: Sauer Dump schedule

Hello – guys – sorry f I missed your reply. What do I tell Nick?

Carlos S Pachon  
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(571)2162060  
[Pachon.carlos@epa.gov](mailto:Pachon.carlos@epa.gov)

---

**From:** Pachon, Carlos  
**Sent:** Thursday, January 13, 2022 8:44 AM  
**To:** Ex. 6 Personal Privacy (PP) DuBois, Sean <Ex. 6 Personal Privacy (PP)>  
**Subject:** FW: Sauer Dump schedule

Hi Guys – please let me know what you can commit to.

Carlos S Pachon  
USEPA Superfund Program  
Washington DC  
(571)2162060  
[Pachon.carlos@epa.gov](mailto:Pachon.carlos@epa.gov)

---

**From:** Tymchenko, Nick <[Tymchenko.Nick@epa.gov](mailto:Tymchenko.Nick@epa.gov)>  
**Sent:** Thursday, January 13, 2022 8:23 AM  
**To:** Pachon, Carlos <[Pachon.Carlos@epa.gov](mailto:Pachon.Carlos@epa.gov)>  
**Subject:** Sauer Dump schedule

Hi Carlos – do you have a schedule/timeline for the assessment process? I know we discussed the general time line and that it coincides with my FS / PRAP schedule, but I'd like to get a date for submittal of the first draft to place into the AEL reporting documents I prepare.

Thanks,

Nick Tymchenko  
Remedial Project Manager  
Western PA/MD Remedial Section  
Superfund & Emergency Management Division  
US EPA Region 3  
Mail Code 3SD22  
1650 Arch St.  
Philadelphia, PA 19103-2029

(215) 814-2022

Message

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**From:** Pachon, Carlos [/O=EXCHANGELABS/OU=EXCHANGE ADMINISTRATIVE GROUP (FYDIBOHF23SPDLT)/CN=RECIPIENTS/CN=652B20FF4BA343ADB2D4C34B955B5618-CPACHON]  
**Sent:** 1/12/2022 1:44:04 PM  
**To:** Ex. 6 Personal Privacy (PP) DuBois, Sean Ex. 6 Personal Privacy (PP)  
**Subject:** FW: Sauer Dump schedule

Hi Guys – please let me know what you can commit to.

Carlos S Pachon  
USEPA Superfund Program  
Washington DC  
(571)2162060  
Pachon.carlos@epa.gov

---

**From:** Tymchenko, Nick <Tymchenko.Nick@epa.gov>  
**Sent:** Thursday, January 13, 2022 8:23 AM  
**To:** Pachon, Carlos <Pachon.Carlos@epa.gov>  
**Subject:** Sauer Dump schedule

Hi Carlos – do you have a schedule/timeline for the assessment process? I know we discussed the general time line and that it coincides with my FS / PRAP schedule, but I'd like to get a date for submittal of the first draft to place into the AEL reporting documents I prepare.

Thanks,

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US EPA Region 3  
Mail Code 3SD22  
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Message

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**From:** Pachon, Carlos [/O=EXCHANGELABS/OU=EXCHANGE ADMINISTRATIVE GROUP (FYDIBOHF23SPDLT)/CN=RECIPIENTS/CN=652B20FF4BA343ADB2D4C34B955B5618-CPACHON]  
**Sent:** 1/18/2022 4:49:46 PM  
**To:** Tymchenko, Nick [Tymchenko.Nick@epa.gov]  
**CC:** DuBois, Sean [Ex. 6 Personal Privacy (PP)]  
**Subject:** RE: Sauer Dump schedule

Got it, thanks!

---

**From:** Tymchenko, Nick <Tymchenko.Nick@epa.gov>  
**Sent:** Tuesday, January 18, 2022 11:16 AM  
**To:** Pachon, Carlos <Pachon.Carlos@epa.gov>  
**Cc:** DuBois, Sean [Ex. 6 Personal Privacy (PP)]  
**Subject:** RE: Sauer Dump schedule

Good morning – the 2/11 date isn't good, I'm off that day, but I sent out an invite for 2/10 if that works. The draft FS is scheduled for submittal from the PRPs on 2/3, that will coincide nicely with the preliminary results discussion. I will ask if the first draft can be moved up a week? That will assist in the review of the FS.

I have invited the site team (Biological Technical Assistance Group, tox, and hydro) to sit in on the call so they can consider the preliminary results in their review of the FS.

Thanks,

Nick Tymchenko  
Remedial Project Manager  
Western PA/MD Remedial Section  
Superfund & Emergency Management Division  
US EPA Region 3  
Mail Code 3SD22  
1650 Arch St.  
Philadelphia, PA 19103-2029

(215) 814-2022

---

**From:** Pachon, Carlos <Pachon.Carlos@epa.gov>  
**Sent:** Friday, January 14, 2022 2:22 PM  
**To:** Tymchenko, Nick <Tymchenko.Nick@epa.gov>  
**Cc:** DuBois, Sean [Ex. 6 Personal Privacy (PP)]  
**Subject:** RE: Sauer Dump schedule

Hello Nick – we are aiming to have a call and walk through of preliminary results 2/11. Does 2/11 work for a call? The first draft is due early March, Do you need it earlier?

Thanks, hope you have a great weekend!

Carlos S Pachon  
USEPA Superfund Program  
Washington DC  
(571)2162060

Pachon.carlos@epa.gov

---

**From:** Tymchenko, Nick <Tymchenko.Nick@epa.gov>

**Sent:** Thursday, January 13, 2022 8:23 AM

**To:** Pachon, Carlos <Pachon.Carlos@epa.gov>

**Subject:** Sauer Dump schedule

Hi Carlos – do you have a schedule/timeline for the assessment process? I know we discussed the general time line and that it coincides with my FS / PRAP schedule, but I'd like to get a date for submittal of the first draft to place into the AEL reporting documents I prepare.

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Superfund & Emergency Management Division  
US EPA Region 3  
Mail Code 3SD22  
1650 Arch St.  
Philadelphia, PA 19103-2029

(215) 814-2022

## Appointment

---

**From:** Pachon, Carlos [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=652b20ff4ba343adb2d4c34b955b5618-CPACHON]  
**Sent:** 1/18/2022 8:22:27 PM  
**To:** Tymchenko, Nick [Tymchenko.Nick@epa.gov]  
**Subject:** Accepted: Placeholder - Sauer Dump climate change vulnerability assessment preliminary results  
**Location:** Microsoft Teams Meeting  
**Start:** 2/10/2022 4:00:00 PM  
**End:** 2/10/2022 5:00:00 PM  
**Show Time As:** Busy



Message

**From:** Pachon, Carlos [/O=EXCHANGELABS/OU=EXCHANGE ADMINISTRATIVE GROUP (FYDIBOHF23SPDLT)/CN=RECIPIENTS/CN=652B20FF4BA343ADB2D4C34B955B5618-CPACHON]  
**Sent:** 2/23/2022 9:02:44 PM  
**To:** DuBois, Sean  
**CC:** Sinski, Patti; [Ex. 6 Personal Privacy (PP)], Amanda [Ex. 6 Personal Privacy (PP)]  
**Subject:** RE: Sauer Dump Preliminary Climate Vulnerability Assessment - Draft Report

Hello Sean – thanks for the draft report, great work. Based on a quick read the following are my comments:

1. Please incorporate the caveats we used in Ciba-Olin report.
2. Could we be clearer that SLOSH analyses DO NOT factor in SLR.? Maybe a stand-alone bullet/highlight (section 2.2 - . *The SLOSH maps do not account for sea level rise. Since they illustrate historic sea level conditions, it is reasonable to expect that hurricane induced flooding would be more severe with higher sea levels as illustrated in Section 2.1.*). Or reference Section 2.4 CCVV.
3. Any chance you include 1' contours in Fig 2?
4. Color ranges in Fig 7 are difficult to discern
5. If there is going to be excavation of residential yards, might the depth of excavation be informed by future level of inundation/possible erosion?
6. Any onsite treatment of excavated soils may be informed by future conditions of where they will be placed if that is on site (ir dry or wet cell)
7. Might flooded cells cause air bubbles in the geomembrane

These may be minor edits, or none if you feel they are addressed.

Carlos S Pachon  
USEPA Superfund Program  
Washington DC  
(571)2162060  
Pachon.carlos@epa.gov

---

**From:** DuBois, Sean [Ex. 6 Personal Privacy (PP)]  
**Sent:** Tuesday, February 22, 2022 5:29 PM  
**To:** Pachon, Carlos <Pachon.Carlos@epa.gov>  
**Cc:** Sinski, Patti [Ex. 6 Personal Privacy (PP)]; Vargo, Amanda [Ex. 6 Personal Privacy (PP)]  
**Subject:** Sauer Dump Preliminary Climate Vulnerability Assessment - Draft Report

Hi Carlos,

We have completed the draft report for Sauer Dump and have placed it on the EPA Teams page Climate Assessment Technical Support in the following folder:  
<https://usepa.sharepoint.com/:f:/r/sites/ClimateAssessmentTechnicalSupport/Shared%20Documents/General/Site%20Specific%20Documents/Sauer%20Dump/Preliminary%20Assessment?csf=1&web=1&e=g68zkM>

Due to the quick turnaround for this report, there is still one additional figure we would like to add. We will have that completed by the end of the week (see the comment in the document), and will provide a final formatting review at that

time. We look forward to receiving your comments on the document before you leave on Friday, so that we can provide the report to Nick on Monday, February 28. If you'd like to talk through any comments or questions on the document, please let us know a time you are available later this week.

Thanks,  
Sean

**Sean DuBois** | Senior Environmental Analyst | **Ex. 6 Personal Privacy (PP)**

**Ex. 6 Personal Privacy (PP)** | [icf.com](http://icf.com)

ICF | 9300 Lee Highway, Fairfax, VA 22031

**Office of Superfund Remediation and Technology Innovation**  
**Weekly Report**  
February 18, 2022

**Ex. 5 Deliberative Process (DP)**

# **Ex. 5 Deliberative Process (DP)**

## Ex. 5 Deliberative Process (DP)

### *SITE-SPECIFIC TECHNICAL SUPPORT*

#### Climate Vulnerability Assessments:

- Sauer Dump Site (Dundalk, Maryland) - OSRTI held a debrief with the Region 3 Sauer Dump site team to discuss findings of the site's preliminary climate vulnerability assessment, which the site's remedial project manager(RPM) requested in anticipation of a potentially responsible party (PRP)-lead remedial investigation/feasibility study (RI/FS). The site is on the Chesapeake Bay, an area subject to increasingly frequent inundation from storms, tides, and rising storm surges. The PRP RI/FS includes a climate vulnerability assessment, referencing the recent 2021 OSRTI document, "Memorandum on the Consideration of Climate Resilience." The OSRTI-supported assessment provided the RPM with independent, science based, forward looking climate projections for the site.

## Ex. 5 Deliberative Process (DP)

HYPERLINK

## **Ex. 5 Deliberative Process (DP)**

## **Ex. 5 Deliberative Process (DP)**

Message

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**From:** Pachon, Carlos [/O=EXCHANGELABS/OU=EXCHANGE ADMINISTRATIVE GROUP (FYDIBOHF23SPDLT)/CN=RECIPIENTS/CN=652B20FF4BA343ADB2D4C34B955B5618-CPACHON]  
**Sent:** 2/22/2022 10:48:08 PM  
**To:** DuBois, Sean [Ex. 6 Personal Privacy (PP)]  
**CC:** Sinski, Patti [Ex. 6 Personal Privacy (PP)]; Vargo, Amanda [Ex. 6 Personal Privacy (PP)]  
**Subject:** RE: Sauer Dump Preliminary Climate Vulnerability Assessment - Draft Report

Thanks Sean – I'll read it on time for our Thursday pm call.

Carlos S Pachon  
USEPA Superfund Program  
Washington DC  
(571)2162060  
Pachon.carlos@epa.gov

---

**From:** DuBois, Sean [Ex. 6 Personal Privacy (PP)]  
**Sent:** Tuesday, February 22, 2022 5:29 PM  
**To:** Pachon, Carlos <Pachon.Carlos@epa.gov>  
**Cc:** Sinski, Patti [Ex. 6 Personal Privacy (PP)]; Vargo, Amanda [Ex. 6 Personal Privacy (PP)]  
**Subject:** Sauer Dump Preliminary Climate Vulnerability Assessment - Draft Report

Hi Carlos,

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Due to the quick turnaround for this report, there is still one additional figure we would like to add. We will have that completed by the end of the week (see the comment in the document), and will provide a final formatting review at that time. We look forward to receiving your comments on the document before you leave on Friday, so that we can provide the report to Nick on Monday, February 28. If you'd like to talk through any comments or questions on the document, please let us know a time you are available later this week.

Thanks,  
Sean

Sean DuBois | Senior Environmental Analyst | [Ex. 6 Personal Privacy (PP)]  
[Ex. 6 Personal Privacy (PP)]@icf.com  
ICF | 9300 Lee Highway, Fairfax, VA 22031



## Appointment

---

**From:** Pachon, Carlos [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=652b20ff4ba343adb2d4c34b955b5618-CPACHON]  
**Sent:** 11/22/2021 8:31:05 PM  
**To:** Tymchenko, Nick [Tymchenko.Nick@epa.gov]  
**Subject:** Accepted: Sauer Dump vulnerability assessment  
**Location:** Microsoft Teams Meeting  
**Start:** 11/23/2021 2:00:00 PM  
**End:** 11/23/2021 3:00:00 PM  
**Show Time As:** Busy

Message

---

**From:** Pachon, Carlos [/O=EXCHANGELABS/OU=EXCHANGE ADMINISTRATIVE GROUP (FYDIBOHF23SPDLT)/CN=RECIPIENTS/CN=652B20FF4BA343ADB2D4C34B955B5618-CPACHON]  
**Sent:** 4/25/2022 8:38:21 PM  
**To:** DuBois, Sean  
**CC:** Sinski, Patti  
**Subject:** RE: Sauer Dump Preliminary Climate Vulnerability Assessment - Technical Memorandum

Understood – good flag. I'll check with him. That said, how about the MDE question, is it something you'll be able to address?

Carlos S Pachon  
USEPA Superfund Program  
Washington DC  
(571)2162060  
Pachon.carlos@epa.gov

---

**From:** DuBois, Sean  
**Sent:** Monday, April 25, 2022 4:23 PM  
**To:** Pachon, Carlos <Pachon.Carlos@epa.gov>  
**Cc:** Sinski, Patti  
**Subject:** RE: Sauer Dump Preliminary Climate Vulnerability Assessment - Technical Memorandum

Hi Carlos,

From Nick's message below, it appears that he is planning to send the preliminary climate vulnerability assessment report to the PRP group at the end of this week.

We have traditionally viewed the preliminary report as an internal deliberative document, with a note in the footer of the document describing it as such. A couple reasons for this include:

1. The full assessment report template includes a longer introduction section with additional language to clarify the scope of the report and how it should be used. We did of course add some of that language to the preliminary report, but since we expected the full report may be shared with other stakeholders, we expanded upon that section in the full report.

## 2. Ex. 5 Deliberative Process (DP)

It may be beneficial to at least transfer the preliminary report into the full report format, or copy the additional text present in the full report template into the introduction of the existing preliminary report. Either way, it would allow for the additional language scoping the report to be included. Given the timeframe of providing the report to the PRP by the end of the week, we wouldn't be able to add any additional analyses or model projections. However, since some of the primary risks at the site are associated with the climate parameters such as sea level rise that did not use 90<sup>th</sup> percentile and RCP 8.5 model results, this may be less of a concern for Sauer Dump.

Please let us know how you would like to proceed.

Thanks,  
Sean

Sean DuBois, Senior Environmental Analyst |  
Ex. 6 Personal Privacy (PP) | [icf.com](http://icf.com)  
ICF | 9300 Lee Highway, Fairfax, VA 22031

Ex. 6 Personal Privacy (PP)

---

**From:** Pachon, Carlos <[Pachon.Carlos@epa.gov](mailto:Pachon.Carlos@epa.gov)>  
**Sent:** Monday, April 25, 2022 12:21 PM  
**To:** Tymchenko, Nick <[Tymchenko.Nick@epa.gov](mailto:Tymchenko.Nick@epa.gov)>; DuBois, Sean | Ex. 6 Personal Privacy (PP)|  
**Subject:** RE: Sauer Dump Preliminary Climate Vulnerability Assessment - Technical Memorandum

Hello Nick – good to hear from you, and that the report is helping you guide and inform site decisions.

Sean – please advise how to best reply to the MDE question below, preferably based on information in the report.

## Ex. 5 Deliberative Process (DP)

Thank you  
Carlos S Pachon  
USEPA Superfund Program  
Washington DC  
(571)2162060  
[Pachon.carlos@epa.gov](mailto:Pachon.carlos@epa.gov)

---

**From:** Tymchenko, Nick <[Tymchenko.Nick@epa.gov](mailto:Tymchenko.Nick@epa.gov)>  
**Sent:** Monday, April 25, 2022 12:12 PM  
**To:** Pachon, Carlos <[Pachon.Carlos@epa.gov](mailto:Pachon.Carlos@epa.gov)>  
**Subject:** RE: Sauer Dump Preliminary Climate Vulnerability Assessment - Technical Memorandum

Carlos,

As discussed, thanks for the preliminary report. The Site team has referred to the report in its review of the draft FS for the Sauer Dump Site and I'll be providing the PRP Group comments and the report later this week. At this time we don't anticipate the need for future analysis as the presentation in the report was clear. MDE did raise a question regarding the relationship of the report's findings vs the interactive graphic on the GAO website, can ICF take a look and respond to the question, below?

## Ex. 5 Deliberative Process (DP)

Thanks,  
Nick

Nick Tymchenko  
Remedial Project Manager  
Western PA/MD Remedial Section  
Superfund & Emergency Management Division  
US EPA Region 3  
Mail Code 3SD22  
1650 Arch St.  
Philadelphia, PA 19103-2029

(215) 814-2022

---

**From:** DuBois, Sean [Ex. 6 Personal Privacy (PP)]  
**Sent:** Tuesday, March 01, 2022 12:11 PM  
**To:** Tymchenko, Nick <Tymchenko.Nick@epa.gov>  
**Cc:** Pachon, Carlos <Pachon.Carlos@epa.gov>; Sinski, Patti [Ex. 6 Personal Privacy (PP)]; Vargo, Amanda <[Ex. 6 Personal Privacy (PP)]>  
**Subject:** Sauer Dump Preliminary Climate Vulnerability Assessment - Technical Memorandum

Hi Nick,

Please find the Sauer Dump Preliminary Climate Vulnerability Assessment Technical Memorandum attached. Once you have time to review this document and the FS, it may be worthwhile to have a meeting to discuss any comments and questions you may have on this document and any developments at the site which would inform potential future analyses, as necessary.

Thank you,  
Sean

Sean DuBois | Senior Environmental Analyst | [Ex. 6 Personal Privacy (PP)]  
[Ex. 6 Personal Privacy (PP)]@icf.com  
ICF | 9300 Lee Highway, Fairfax, VA 22031

Message

---

**From:** Pachon, Carlos [/O=EXCHANGELABS/OU=EXCHANGE ADMINISTRATIVE GROUP (FYDIBOHF23SPDLT)/CN=RECIPIENTS/CN=652B20FF4BA343ADB2D4C34B955B5618-CPACHON]  
**Sent:** 4/26/2022 1:27:25 PM  
**To:** DuBois, Sean  
**CC:** Sinski, Patti  
**Subject:** RE: Sauer Dump Preliminary Climate Vulnerability Assessment - Technical Memorandum

Please do share your response with Nick, along with the reminder that the report is written for internal audiences. Two thoughts:

1. You describe the report's analysis, and then the GAO analysis. Could you add one sentence on the overlap, such as "Therefore the vulnerability screening assessment encompasses the scenario identified in the GAO report, though using a different approach".
2. If you offer the modified caveat language please provide a timeframe for when we could get I to him.

Thank you!

Carlos S Pachon  
USEPA Superfund Program  
Washington DC  
(571)2162060  
Pachon.carlos@epa.gov

---

**From:** DuBois, Sean  
**Sent:** Tuesday, April 26, 2022 9:13 AM  
**To:** Pachon, Carlos <Pachon.Carlos@epa.gov>  
**Cc:** Sinski, Patti  
**Subject:** RE: Sauer Dump Preliminary Climate Vulnerability Assessment - Technical Memorandum

Hi Carlos,

# Ex. 5 Deliberative Process (DP)

# Ex. 5 Deliberative Process (DP)

Sean

Sean DuBois | Senior Environmental Analyst Ex. 6 Personal Privacy (PP)  
Ex. 6 Personal Privacy (PP) | [icf.com](mailto:sean.dubois@icf.com)

ICF | 9300 Lee Highway, Fairfax, VA 22031

---

**From:** DuBois, Sean  
**Sent:** Monday, April 25, 2022 3:44 PM  
**To:** Pachon, Carlos <[Pachon.Carlos@epa.gov](mailto:Pachon.Carlos@epa.gov)>  
**Cc:** Sinski, Patti | Ex. 6 Personal Privacy (PP)  
**Subject:** RE: Sauer Dump Preliminary Climate Vulnerability Assessment - Technical Memorandum

Yes it is pretty straightforward, just wanted to confirm my summary of the climate tools with our climate team. I sent them another reminder email so hopefully will have the response finalized soon.

Sean DuBois | Senior Environmental Analyst Ex. 6 Personal Privacy (PP)  
Ex. 6 Personal Privacy (PP) | [icf.com](mailto:sean.dubois@icf.com)  
ICF | 9300 Lee Highway, Fairfax, VA 22031

---

**From:** Pachon, Carlos <[Pachon.Carlos@epa.gov](mailto:Pachon.Carlos@epa.gov)>  
**Sent:** Monday, April 25, 2022 3:38 PM  
**To:** DuBois, Sean  
**Cc:** Sinski, Patti < | Ex. 6 Personal Privacy (PP)  
**Subject:** RE: Sauer Dump Preliminary Climate Vulnerability Assessment - Technical Memorandum

Understood – good flag. I'll check with him. That said, how about the MDE question, is it something you'll be able to address?

Carlos S Pachon  
USEPA Superfund Program  
Washington DC  
(571)2162060  
[Pachon.carlos@epa.gov](mailto:Pachon.carlos@epa.gov)

---

**From:** DuBois, Sean | Ex. 6 Personal Privacy (PP)  
**Sent:** Monday, April 25, 2022 4:23 PM  
**To:** Pachon, Carlos <[Pachon.Carlos@epa.gov](mailto:Pachon.Carlos@epa.gov)>

Cc: Sinski, Patti <[Redacted]>

Subject: RE: Sauer Dump Preliminary Climate Vulnerability Assessment - Technical Memorandum

Hi Carlos,

From Nick's message below, it appears that he is planning to send the preliminary climate vulnerability assessment report to the PRP group at the end of this week.

We have traditionally viewed the preliminary report as an internal deliberative document, with a note in the footer of the document describing it as such. A couple reasons for this include:

1. The full assessment report template includes a longer introduction section with additional language to clarify the scope of the report and how it should be used. We did of course add some of that language to the preliminary report, but since we expected the full report may be shared with other stakeholders, we expanded upon that section in the full report.

## 2. Ex. 5 Deliberative Process (DP)

It may be beneficial to at least transfer the preliminary report into the full report format, or copy the additional text present in the full report template into the introduction of the existing preliminary report. Either way, it would allow for the additional language scoping the report to be included. Given the timeframe of providing the report to the PRP by the end of the week, we wouldn't be able to add any additional analyses or model projections. However, since some of the primary risks at the site are associated with the climate parameters such as sea level rise that did not use 90<sup>th</sup> percentile and RCP 8.5 model results, this may be less of a concern for Sauer Dump.

Please let us know how you would like to proceed.

Thanks,  
Sean

Sean DuBois | Senior Environmental Analyst | [Redacted]

[Redacted] | [Redacted]

ICF | 9300 Lee Highway, Fairfax, VA 22031

---

From: Pachon, Carlos <[Redacted]>

Sent: Monday, April 25, 2022 12:21 PM

To: Tymchenko, Nick <[Redacted]>; DuBois, Sean <[Redacted]>

Subject: RE: Sauer Dump Preliminary Climate Vulnerability Assessment - Technical Memorandum

Hello Nick – good to hear from you, and that the report is helping you guide and inform site decisions.

Sean – please advise how to best reply to the MDE question below, preferably based on information in the report.

## Ex. 5 Deliberative Process (DP)

Thank you  
Carlos S Pachon  
USEPA Superfund Program  
Washington DC  
(571)2162060  
[Pachon.carlos@epa.gov](mailto:Pachon.carlos@epa.gov)

---

**From:** Tymchenko, Nick <[Tymchenko.Nick@epa.gov](mailto:Tymchenko.Nick@epa.gov)>  
**Sent:** Monday, April 25, 2022 12:12 PM  
**To:** Pachon, Carlos <[Pachon.Carlos@epa.gov](mailto:Pachon.Carlos@epa.gov)>  
**Subject:** RE: Sauer Dump Preliminary Climate Vulnerability Assessment - Technical Memorandum

Carlos,

As discussed, thanks for the preliminary report. The Site team has referred to the report in its review of the draft FS for the Sauer Dump Site and I'll be providing the PRP Group comments and the report later this week. At this time we don't anticipate the need for future analysis as the presentation in the report was clear. MDE did raise a question regarding the relationship of the report's findings vs the interactive graphic on the GAO website, can ICF take a look and respond to the question, below?

## Ex. 5 Deliberative Process (DP)

Thanks,  
Nick

Nick Tymchenko  
Remedial Project Manager  
Western PA/MD Remedial Section  
Superfund & Emergency Management Division  
US EPA Region 3  
Mail Code 3SD22  
1650 Arch St.  
Philadelphia, PA 19103-2029

(215) 814-2022

---

**From:** DuBois, Sean [Ex. 6 Personal Privacy (PP)]  
**Sent:** Tuesday, March 01, 2022 12:11 PM  
**To:** Tymchenko, Nick <[Tymchenko.Nick@epa.gov](mailto:Tymchenko.Nick@epa.gov)>  
**Cc:** Pachon, Carlos <[Pachon.Carlos@epa.gov](mailto:Pachon.Carlos@epa.gov)>; Sinski, Patti [Ex. 6 Personal Privacy (PP)]; Vargo, Amanda <[Ex. 6 Personal Privacy (PP)]>  
**Subject:** Sauer Dump Preliminary Climate Vulnerability Assessment - Technical Memorandum

Hi Nick,



Please find the Sauer Dump Preliminary Climate Vulnerability Assessment Technical Memorandum attached. Once you have time to review this document and the FS, it may be worthwhile to have a meeting to discuss any comments and questions you may have on this document and any developments at the site which would inform potential future analyses, as necessary.

Thank you,  
Sean

**Sean DuBois** | Senior Environmental Analyst

Ex. 6 Personal Privacy (PP)

Ex. 6 Personal Privacy (PP) [icf.com](mailto:sean.dubois@icf.com)

ICF | 9300 Lee Highway, Fairfax, VA 22031

Message

---

**From:** Pachon, Carlos [/O=EXCHANGELABS/OU=EXCHANGE ADMINISTRATIVE GROUP (FYDIBOHF23SPDLT)/CN=RECIPIENTS/CN=652B20FF4BA343ADB2D4C34B955B5618-CPACHON]  
**Sent:** 11/23/2021 3:42:54 PM  
**To:** Patti Sinski [Ex. 6 Personal Privacy (PP)]; DuBois, Sean [Ex. 6 Personal Privacy (PP)]  
**Subject:** FW: Meeting Request  
**Attachments:** vulnerability assessment info.pptx; WA055\_Zoning Review Tech Memo.pdf

Hi Guys – follow up to my earlier email. Please let me know if you are available Monday afternoon for an internal discussion.

Thanks!

Carlos S Pachon  
USEPA Superfund Program  
Washington DC  
(571)2162060  
Pachon.carlos@epa.gov

---

**From:** Tymchenko, Nick <Tymchenko.Nick@epa.gov>  
**Sent:** Tuesday, November 23, 2021 10:26 AM  
**To:** Pachon, Carlos <Pachon.Carlos@epa.gov>  
**Cc:** Corbett, Chris <Corbett.Chris@epa.gov>; Matzko, Kristine <Matzko.Kristine@epa.gov>  
**Subject:** RE: Meeting Request

Carlos,  
Thanks for meeting with us today, a climate vulnerability assessment will provide the Site team valuable information for the analysis of alternatives. I've attached the slides from our meeting this morning and HGL's tech memo.

People Plus account:  
[Ex. 6 Personal Privacy (PP)]  
SAUER DUMP - PRP RIFS

I look forward to working with you on this.

Nick Tymchenko  
Remedial Project Manager  
Western PA/MD Remedial Section  
Superfund & Emergency Management Division  
US EPA Region 3  
Mail Code 3SD22  
1650 Arch St.  
Philadelphia, PA 19103-2029

(215) 814-2022

---

**From:** Pachon, Carlos <Pachon.Carlos@epa.gov>  
**Sent:** Tuesday, November 16, 2021 9:19 AM  
**To:** Corbett, Chris <Corbett.Chris@epa.gov>

**Cc:** Tymchenko, Nick <[Tymchenko.Nick@epa.gov](mailto:Tymchenko.Nick@epa.gov)>

**Subject:** RE: Meeting Request

I should add that if you wish, in we have the resources and expertise to conduct a vulnerability assessment through our HQ support (see attachment). You might run a screening first with us, and use the findings to write an SOW for a more robust analysis, if deemed necessary from the screening.

Carlos S Pachon  
USEPA Superfund Program  
Washington DC  
(571)2162060  
[Pachon.carlos@epa.gov](mailto:Pachon.carlos@epa.gov)

---

**From:** Pachon, Carlos  
**Sent:** Tuesday, November 16, 2021 9:06 AM  
**To:** Corbett, Chris <[Corbett.Chris@epa.gov](mailto:Corbett.Chris@epa.gov)>  
**Cc:** Tymchenko, Nick <[Tymchenko.Nick@epa.gov](mailto:Tymchenko.Nick@epa.gov)>  
**Subject:** RE: Meeting Request

Hello Chris – It's good to hear from you and thanks for the feedback on FRTR. I'll be happy to join you on a call, though this week is very bad as I am moving and it coincided with some key deliverables. Please pick any time available next week. FYI I anticipate the SOW language will focus more on the nature of the analyses and questions the vulnerability assessment should address, and less on the specific models and information resources they should use. That will be up to the contractor and their experience and professional judgement.

Carlos S Pachon  
USEPA Superfund Program  
Washington DC  
(571)2162060  
[Pachon.carlos@epa.gov](mailto:Pachon.carlos@epa.gov)

---

**From:** Corbett, Chris <[Corbett.Chris@epa.gov](mailto:Corbett.Chris@epa.gov)>  
**Sent:** Monday, November 15, 2021 2:55 PM  
**To:** Pachon, Carlos <[Pachon.Carlos@epa.gov](mailto:Pachon.Carlos@epa.gov)>  
**Cc:** Tymchenko, Nick <[Tymchenko.Nick@epa.gov](mailto:Tymchenko.Nick@epa.gov)>  
**Subject:** Meeting Request

While enjoying your training, I can't help but think about the Sauer Dump Site, currently on the Administrator's Emphasis List, which I am working on with RPM Tymchenko. The site is located immediately adjacent to the Back River which flows into the Chesapeake Bay.

**Ex. 5 Deliberative Process (DP)**

**Ex. 5 Deliberative Process (DP)**

Are you available for 15 – 30 minutes to provide suggestions that will assist the development of the SOW, specifically model recommendations (I explained to Nick we may want to evaluate a range of models) and any other activities that Nick should consider.

**Ex. 5 Deliberative Process (DP)**

**Ex. 5 Deliberative Process (DP)**

Thank you for your consideration.

Message

---

**From:** Pachon, Carlos [/O=EXCHANGELABS/OU=EXCHANGE ADMINISTRATIVE GROUP (FYDIBOHF23SPDLT)/CN=RECIPIENTS/CN=652B20FF4BA343ADB2D4C34B955B5618-CPACHON]  
**Sent:** 12/3/2021 6:59:31 PM  
**To:** Patti Sinski [Ex. 6 Personal Privacy (PP)]; DuBois, Sean [Ex. 6 Personal Privacy (PP)]  
**Subject:** FW: Sauer Dump vulnerability assessment  
**Attachments:** 2021 11-17-21 Sauer Dump Site Revised DAA Report Compiled.pdf; 2021 11-17-21 Sauer Dump Detailed Analysis of Alternatives Transmittal.pdf

---

**From:** Tymchenko, Nick <Tymchenko.Nick@epa.gov>  
**Sent:** Friday, December 3, 2021 1:41 PM  
**To:** Pachon, Carlos <Pachon.Carlos@epa.gov>  
**Cc:** Corbett, Chris <Corbett.Chris@epa.gov>; Matzko, Kristine <Matzko.Kristine@epa.gov>  
**Subject:** RE: Sauer Dump vulnerability assessment

Great, it's Appendix C in the DAA.

I'm also including the transmittal letter for someone getting up to speed on the Site. The PRPs included a table summarizing the alternatives into one sheet.

Thanks.

Nick Tymchenko  
Remedial Project Manager  
Western PA/MD Remedial Section  
Superfund & Emergency Management Division  
US EPA Region 3  
Mail Code 3SD22  
1650 Arch St.  
Philadelphia, PA 19103-2029

(215) 814-2022

---

**From:** Pachon, Carlos <Pachon.Carlos@epa.gov>  
**Sent:** Friday, December 03, 2021 1:35 PM  
**To:** Tymchenko, Nick <Tymchenko.Nick@epa.gov>  
**Cc:** Corbett, Chris <Corbett.Chris@epa.gov>; Matzko, Kristine <Matzko.Kristine@epa.gov>  
**Subject:** RE: Sauer Dump vulnerability assessment

Hello Nick – that would be very valuable. I have a call at 2pm with the technical leads at ICF to discuss the support. As we ramp up on this type of support we aim to get up to speed and primed on potential routes to explore related to resilience in advance of a scoping call.

Carlos S Pachon  
USEPA Superfund Program  
Washington DC  
(571)2162060  
[Pachon.carlos@epa.gov](mailto:Pachon.carlos@epa.gov)

---

**From:** Tymchenko, Nick <Tymchenko.Nick@epa.gov>  
**Sent:** Friday, December 3, 2021 1:31 PM  
**To:** Pachon, Carlos <Pachon.Carlos@epa.gov>  
**Cc:** Corbett, Chris <Corbett.Chris@epa.gov>; Matzko, Kristine <Matzko.Kristine@epa.gov>  
**Subject:** Sauer Dump vulnerability assessment

Carlos – The Sauer Dump PRP group included a short Climate Change and Resiliency Evaluation (Evaluation) as an Appendix in the updated version of their Detailed Analysis of Alternatives (DAA). I plan to use the HQ vulnerability assessment as the basis to comment on the PRP's Evaluation.

Would there be benefit to sharing the PRP's Evaluation with you now for consideration as your team develops the vulnerability assessment? Or will it complicate the process?

Let me know,

Nick Tymchenko  
Remedial Project Manager  
Western PA/MD Remedial Section  
Superfund & Emergency Management Division  
US EPA Region 3  
Mail Code 3SD22  
1650 Arch St.  
Philadelphia, PA 19103-2029

(215) 814-2022

---

**From:** Tymchenko, Nick  
**Sent:** Tuesday, November 23, 2021 10:26 AM  
**To:** Pachon, Carlos <Pachon.Carlos@epa.gov>  
**Cc:** Corbett, Chris <Corbett.Chris@epa.gov>; Matzko, Kristine <Matzko.Kristine@epa.gov>  
**Subject:** RE: Meeting Request

Carlos,  
Thanks for meeting with us today, a climate vulnerability assessment will provide the Site team valuable information for the analysis of alternatives. I've attached the slides from our meeting this morning and HGL's tech memo.

People Plus account:

**Ex. 6 Personal Privacy (PP)**  
SAUER DUMP - PRP RIFS

I look forward to working with you on this.

Nick Tymchenko  
Remedial Project Manager  
Western PA/MD Remedial Section  
Superfund & Emergency Management Division  
US EPA Region 3  
Mail Code 3SD22  
1650 Arch St.  
Philadelphia, PA 19103-2029

---

**From:** Pachon, Carlos <[Pachon.Carlos@epa.gov](mailto:Pachon.Carlos@epa.gov)>  
**Sent:** Tuesday, November 16, 2021 9:19 AM  
**To:** Corbett, Chris <[Corbett.Chris@epa.gov](mailto:Corbett.Chris@epa.gov)>  
**Cc:** Tymchenko, Nick <[Tymchenko.Nick@epa.gov](mailto:Tymchenko.Nick@epa.gov)>  
**Subject:** RE: Meeting Request

I should add that if you wish, in we have the resources and expertise to conduct a vulnerability assessment through our HQ support (see attachment). You might run a screening first with us, and use the findings to write an SOW for a more robust analysis, if deemed necessary from the screening.

Carlos S Pachon  
USEPA Superfund Program  
Washington DC  
(571)2162060  
[Pachon.carlos@epa.gov](mailto:Pachon.carlos@epa.gov)

---

**From:** Pachon, Carlos  
**Sent:** Tuesday, November 16, 2021 9:06 AM  
**To:** Corbett, Chris <[Corbett.Chris@epa.gov](mailto:Corbett.Chris@epa.gov)>  
**Cc:** Tymchenko, Nick <[Tymchenko.Nick@epa.gov](mailto:Tymchenko.Nick@epa.gov)>  
**Subject:** RE: Meeting Request

Hello Chris – It's good to hear from you and thanks for the feedback on FRTR. I'll be happy to join you on a call, though this week is very bad as I am moving and it coincided with some key deliverables. Please pick any time available next week. FYI I anticipate the SOW language will focus more on the nature of the analyses and questions the vulnerability assessment should address, and less on the specific models and information resources they should use. That will be up to the contractor and their experience and professional judgement.

Carlos S Pachon  
USEPA Superfund Program  
Washington DC  
(571)2162060  
[Pachon.carlos@epa.gov](mailto:Pachon.carlos@epa.gov)

---

**From:** Corbett, Chris <[Corbett.Chris@epa.gov](mailto:Corbett.Chris@epa.gov)>  
**Sent:** Monday, November 15, 2021 2:55 PM  
**To:** Pachon, Carlos <[Pachon.Carlos@epa.gov](mailto:Pachon.Carlos@epa.gov)>  
**Cc:** Tymchenko, Nick <[Tymchenko.Nick@epa.gov](mailto:Tymchenko.Nick@epa.gov)>  
**Subject:** Meeting Request

While enjoying your training, I can't help but think about the Sauer Dump Site, currently on the Administrator's Emphasis List, which I am working on with RPM Tymchenko. The site is located immediately adjacent to the Back River which flows into the Chesapeake Bay.

**Ex. 5 Deliberative Process (DP)**

discussed climate concerns and Nick is considering contractor support to assess vulnerability and predict potential climate changes in the immediate and more distant future.

Are you available for 15 – 30 minutes to provide suggestions that will assist the development of the SOW, specifically model recommendations (I explained to Nick we may want to evaluate a range of models) and any other activities that Nick should consider.

**Ex. 5 Deliberative Process (DP)**

**Ex. 5 Deliberative Process (DP)**

Thank you for your consideration.



## Appointment

---

**From:** DuBois, Sean [Sean.DuBois@icf.com]  
**Sent:** 11/23/2021 4:05:04 PM  
**To:** DuBois, Sean [Ex. 6 Personal Privacy (PP)]; Pachon, Carlos [Pachon.Carlos@epa.gov]; Sinski, Patti [Ex. 6 Personal Privacy (PP)]  
**Subject:** Sauer Dump Climate Vulnerability Assessment Discussion  
**Location:** Microsoft Teams Meeting  
  
**Start:** 12/3/2021 7:00:00 PM  
**End:** 12/3/2021 8:00:00 PM  
**Show Time As:** Busy  
  
**Recurrence:** (none)

Discuss the initiation of the Sauer Dump Superfund site climate vulnerability assessment.

---

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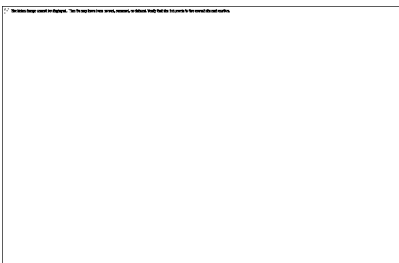
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## Appointment

---

**From:** Pachon, Carlos [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=652b20ff4ba343adb2d4c34b955b5618-CPACHON]  
**Sent:** 12/6/2021 5:29:43 PM  
**To:** Pachon, Carlos [Pachon.Carlos@epa.gov]; Tymchenko, Nick [Tymchenko.Nick@epa.gov]; Corbett, Chris [Corbett.Chris@epa.gov]; Patti Sinski [Ex. 6 Personal Privacy (PP)]; DuBois, Sean [Ex. 6 Personal Privacy (PP)]  
**CC:** Grismala, Ralph [Ex. 6 Personal Privacy (PP)]; Vargo, Amanda [Ex. 6 Personal Privacy (PP)]; Cron, Mitch [Cron.Mitch@epa.gov]; Rice, Jim [Ex. 6 Personal Privacy (PP)]  
**Subject:** Sauer Dump Climate Vulnerability Assessment - Scoping call  
**Location:** Microsoft Teams Meeting  
**Start:** 12/15/2021 8:00:00 PM  
**End:** 12/15/2021 9:00:00 PM  
**Show Time As:** Busy

**Required Attendees:** Pachon, Carlos; Tymchenko, Nick; Corbett, Chris; Patti Sinski; DuBois, Sean  
**Optional Attendees:** Grismala, Ralph; Vargo, Amanda; Cron, Mitch; Rice, Jim

### Scoping Call Agenda

#### Climate Assessment Review

#### Sauer Dump

December 15, 2021, 3pm-4pm EDT

#### Participants:

- EPA:
  - Carlos Pachon, EPA HQ OSRTI, Project Lead
  - Nick Tymchenko, EPA Region 3, RPM
  - Chris Corbett, EPA Region 3
- Contractor:
  - Patti Sinski, ICF TO Lead
  - Sean DuBois, ICF Climate Lead
  - Amanda Vargo, ICF Climate Scientist
  - Ralph Grismala, P.E., ICF Remediation Lead, Engineer

#### Summary Agenda

- Introductions (All)
- Climate Assessment Process Overview (ICF)
- Reason for Assessment (RPM)
  - Previous climate events impacting the site and remedies
  - Consideration of climate data during investigation (historic or future)
  - Community interest in climate impacts at the site
- Site Overview (RPM)
- Discussion (All)
  - Primary focus of this assessment
  - Previous actions performed at the site
  - Status of the ongoing FS

- Climate assessment described in Appendix C of DAA
  - Questions about Scope and Expectations (All)
  - Data and Documents for Review (All)
  - Next Steps/Conclusion (All)
- 

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## Appointment

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**From:** Tymchenko, Nick [Tymchenko.Nick@epa.gov]  
**Sent:** 1/18/2022 3:35:13 PM  
**To:** Tymchenko, Nick [Tymchenko.Nick@epa.gov]; Pachon, Carlos [Pachon.Carlos@epa.gov]; Pluta, Bruce [Pluta.Bruce@epa.gov]; Tuttle, Jeffrey [Tuttle.Jeffrey@epa.gov]; Bower, Ryan [Bower.Ryan@epa.gov]  
**CC:** DuBois, Sean [Ex. 6 Personal Privacy (PP)]; Corbett, Chris [Corbett.Chris@epa.gov]; Sinski, Patti [Ex. 6 Personal Privacy (PP)]; Bhat, Cassandra [Ex. 6 Personal Privacy (PP)]; Grismala, Ralph [Ex. 6 Personal Privacy (PP)]; Vargo, Amanda [Ex. 6 Personal Privacy (PP)]; Tyahla, Stephen [Tyahla.Stephen@epa.gov]; White, Brad [White.Brad@epa.gov]; Whiting, Matia [Ex. 6 Personal Privacy (PP)]; Matzko, Kristine [Matzko.Kristine@epamail.epa.gov]  
**Subject:** Placeholder - Sauer Dump climate change vulnerability assessment preliminary results  
**Location:** Microsoft Teams Meeting  
**Start:** 2/10/2022 4:00:00 PM  
**End:** 2/10/2022 5:00:00 PM  
**Show Time As:** Busy

**Required Attendees:** Tymchenko, Nick; Pachon, Carlos; Pluta, Bruce; Tuttle, Jeffrey; Bower, Ryan  
**Optional Attendees:** DuBois, Sean; Corbett, Chris; Sinski, Patti; Bhat, Cassandra; Grismala, Ralph; Vargo, Amanda; Matzko.Kristine@epamail.epa.gov; Tyahla, Stephen; White, Brad; Whiting, Matia

---

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---

**From:** Pachon, Carlos <Pachon.Carlos@epa.gov>  
**Sent:** Friday, January 14, 2022 2:22 PM  
**To:** Tymchenko, Nick <Tymchenko.Nick@epa.gov>  
**Cc:** DuBois, Sean [Ex. 6 Personal Privacy (PP)]  
**Subject:** RE: Sauer Dump schedule

Hello Nick – we are aiming to have a call and walk through of preliminary results 2/11. Does 2/11 work for a call? The first draft is due early March, Do you need it earlier?

Thanks, hope you have a great weekend!

Carlos S Pachon  
USEPA Superfund Program  
Washington DC  
(571)2162060  
[Pachon.carlos@epa.gov](mailto:Pachon.carlos@epa.gov)

---

**From:** Tymchenko, Nick <Tymchenko.Nick@epa.gov>  
**Sent:** Thursday, January 13, 2022 8:23 AM  
**To:** Pachon, Carlos <Pachon.Carlos@epa.gov>  
**Subject:** Sauer Dump schedule

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Thanks,

Nick Tymchenko  
Remedial Project Manager  
Western PA/MD Remedial Section  
Superfund & Emergency Management Division  
US EPA Region 3  
Mail Code 3SD22  
1650 Arch St.  
Philadelphia, PA 19103-2029

(215) 814-2022

## Appointment

---

**From:** Tymchenko, Nick [/O=EXCHANGELABS/OU=EXCHANGE ADMINISTRATIVE GROUP (FYDIBOHF23SPDLT)/CN=RECIPIENTS/CN=D5A1B6B16C5C467AA57C5F05310D8ED2-NTYMCHEN]  
**on behalf of** Pachon, Carlos [/O=EXCHANGELABS/OU=EXCHANGE ADMINISTRATIVE GROUP (FYDIBOHF23SPDLT)/CN=RECIPIENTS/CN=652B20FF4BA343ADB2D4C34B955B5618-CPACHON]  
**Sent:** 12/13/2021 12:10:24 PM  
**To:** Cron, Mitch [Cron.Mitch@epa.gov]  
  
**Subject:** FW: Sauer Dump Climate Vulnerability Assessment - Scoping call  
**Location:** Microsoft Teams Meeting  
  
**Start:** 12/15/2021 8:00:00 PM  
**End:** 12/15/2021 9:00:00 PM  
**Show Time As:** Tentative

Mitch would like to sit in and listen. He is the RPM for the proposed Bear Creek Site, in Dundalk, MD

-----Original Appointment-----

**From:** Pachon, Carlos <Pachon.Carlos@epa.gov>  
**Sent:** Monday, December 06, 2021 12:30 PM  
**To:** Pachon, Carlos; Tymchenko, Nick; Corbett, Chris; Patti Sinski; DuBois, Sean  
**Cc:** Grismala, Ralph; Vargo, Amanda  
**Subject:** Sauer Dump Climate Vulnerability Assessment - Scoping call  
**When:** Wednesday, December 15, 2021 3:00 PM-4:00 PM (UTC-05:00) Eastern Time (US & Canada).  
**Where:** Microsoft Teams Meeting

Agenda coming shortly

---

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Message

---

**From:** Tymchenko, Nick [/O=EXCHANGELABS/OU=EXCHANGE ADMINISTRATIVE GROUP (FYDIBOHF23SPDLT)/CN=RECIPIENTS/CN=D5A1B6B16C5C467AA57C5F05310D8ED2-NTYMCHEN]  
**Sent:** 12/15/2021 12:03:16 PM  
**To:** Cron, Mitch [Cron.Mitch@epa.gov]  
**Subject:** FW: Sauer Dump Climate Vulnerability Assessment - Scoping call  
**Attachments:** Climate Scoping Call Agenda\_Sauer Dump.docx

FYI

Nick Tymchenko  
Remedial Project Manager  
Western PA/MD Remedial Section  
Superfund & Emergency Management Division  
US EPA Region 3  
Mail Code 3SD22  
1650 Arch St.  
Philadelphia, PA 19103-2029

(215) 814-2022

---

**From:** DuBois, Sean <Ex. 6 Personal Privacy (PP)>  
**Sent:** Tuesday, December 14, 2021 4:30 PM  
**To:** Pachon, Carlos <Pachon.Carlos@epa.gov>; Tymchenko, Nick <Tymchenko.Nick@epa.gov>; Corbett, Chris <Corbett.Chris@epa.gov>; Sinski, Pat <Ex. 6 Personal Privacy (PP)>; Vargo, Amanda <Ex. 6 Personal Privacy (PP)>  
Ralph <Ex. 6 Personal Privacy (PP)>  
**Subject:** Sauer Dump Climate Vulnerability Assessment - Scoping call

Hi All,

The scoping call agenda for the climate vulnerability assessment at Sauer Dump is attached.

We are looking forward to our discussion tomorrow afternoon. Please let us know if there are any additional topics you'd like added to the agenda.

Thanks,  
Sean

Sean DuBois | Senior Environmental Analyst <Ex. 6 Personal Privacy (PP)>  
<Ex. 6 Personal Privacy (PP)>@icf.com  
ICF | 9300 Lee Highway, Fairfax, VA 22031



**Scoping Call Agenda  
Climate Assessment Review  
Sauer Dump  
December 15, 2021, 3pm-4pm EDT**

**Participants:**

- EPA:
  - Carlos Pachon, EPA HQ OSRTI, Project Lead
  - Nick Tymchenko, EPA Region 3, RPM
  - Chris Corbett, EPA Region 3
  
- Contractor:
  - Patti Sinski, ICF TO Lead
  - Sean DuBois, ICF Climate Lead
  - Amanda Vargo, ICF Climate Scientist
  - Ralph Grismala, P.E., ICF Remediation Lead, Engineer

**Summary Agenda**

- Introductions (All)
- Climate Assessment Process Overview (ICF)
- Reason for Assessment (RPM)
  - Previous climate events impacting the site and remedies
  - Consideration of climate data during investigation (historic or future)
  - Community interest in climate impacts at the site
- Site Overview (RPM)
- Discussion (All)
  - Primary focus of this assessment
  - Previous actions performed at the site
  - Status of the ongoing FS
  - Climate assessment described in Appendix C of DAA
- Questions about Scope and Expectations (All)
- Data and Documents for Review (All)
- Next Steps/Conclusion (All)

### **Introductions: (OSRTI)**

Everyone on the call will introduce themselves and explain their role in the climate vulnerability assessment process.

### **Climate Assessment Process Overview: (EPA HQ)**

- EPA HQ/ICF will give a brief overview of the climate assessment process and discuss the overall goals of the assessment.
  - Preliminary screening
  - Full Assessment
- ICF's climate team will discuss their expertise in climate modeling and resiliency planning and mention some examples of their past work.

### **Reasons for Assessment: (RPM)**

- Concerns regarding containment alternatives being considered given site proximity to floodplains, river, bay, etc.
- Discussion may include:
  - Are there any climate impacts you are particularly concerned about at this site?
  - To your knowledge, has this site experienced any of these climate impacts in the past? If so, how did they affect the site?
  - Has there been any screening tools or climate impact assessments applied to the site to date? Did these tools or assessments use current climate conditions, or incorporate expected future climate conditions?
  - Are you aware of any climate change adaptation or mitigation measures already in use?
  - Have you been asked to look into climate impacts at the site by the community or other groups outside of EPA?

### **Site Overview: (RPM)**

- Discussion may include:
  - What kind of waste is present at the site, and how is it dispersed? Are there concerns regarding contaminated sediment?
  - What actions have been taken at the site?
  - What is the current status of the FS?
  - What type of infrastructure is present on the site – site buildings, containment structures?
  - What are your primary concerns regarding the site remediation, what are the primary unknowns at this point in the process?
  - Are there any additional considerations required for the site given its placement on the Administrator's Emphasis List?
  - What is the anticipated reuse plan for the site?
  - What are your initial thoughts on the climate assessment performed by the PRP as outlined in Appendix C of the Detailed Analysis of Remedial Alternatives (DAA)?

### **Questions about Scope and Expectations:**

- Open discussion on scope of the climate assessment.
- ICF will review what type of information can be provided and the types of recommendations that may result from the assessment.

### **Data and Documents**

- Discuss access to site documents, including the CSM, RI report, and FS documents.
- Any climate impact assessments or climate adaptation plans already developed at the county or state level (other than what is covered in Appendix C of the DAA). If so, ICF and the RPM will discuss access to these plans.

### **Next Steps**

- Discuss the timeline for completing the preliminary site review and climate hazard screening.
- ICF and the RPM will plan the date of the call to discuss results of the preliminary screening. (30-45 days?)

## Appointment

---

**From:** Tymchenko, Nick [/O=EXCHANGELABS/OU=EXCHANGE ADMINISTRATIVE GROUP (FYDIBOHF23SPDLT)/CN=RECIPIENTS/CN=D5A1B6B16C5C467AA57C5F05310D8ED2-NTYMCHEN]  
**Sent:** 1/18/2022 3:35:11 PM  
**To:** Pachon, Carlos [Pachon.Carlos@epa.gov]; Pluta, Bruce [Pluta.Bruce@epa.gov]; Tuttle, Jeffrey [Tuttle.Jeffrey@epa.gov]; Bower, Ryan [Bower.Ryan@epa.gov]  
**CC:** DuBois, Sean [Ex. 6 Personal Privacy (PP)]; Corbett, Chris [Corbett.Chris@epa.gov]  
**Subject:** Placeholder - climate change vulnerability assessment preliminary results  
**Location:** Microsoft Teams Meeting  
**Start:** 2/10/2022 3:30:00 PM  
**End:** 2/10/2022 4:30:00 PM  
**Show Time As:** Tentative

**Required Attendees:** Pachon, Carlos; Pluta, Bruce; Tuttle, Jeffrey; Bower, Ryan  
**Optional Attendees:** DuBois, Sean; Corbett, Chris

---

## Microsoft Teams meeting

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**Sent:** Friday, January 14, 2022 2:22 PM  
**To:** Tymchenko, Nick <Tymchenko.Nick@epa.gov>  
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**Subject:** RE: Sauer Dump schedule

Hello Nick – we are aiming to have a call and walk through of preliminary results 2/11. Does 2/11 work for a call? The first draft is due early March, Do you need it earlier?

Thanks, hope you have a great weekend!

Carlos S Pachon  
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[Pachon.carlos@epa.gov](mailto:Pachon.carlos@epa.gov)

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## Appointment

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**From:** Tymchenko, Nick [/O=EXCHANGELABS/OU=EXCHANGE ADMINISTRATIVE GROUP (FYDIBOHF23SPDLT)/CN=RECIPIENTS/CN=D5A1B6B16C5C467AA57C5F05310D8ED2-NTYMCHEN]  
**Sent:** 1/18/2022 4:09:15 PM  
**To:** Pachon, Carlos [Pachon.Carlos@epa.gov]; Pluta, Bruce [Pluta.Bruce@epa.gov]; Tuttle, Jeffrey [Tuttle.Jeffrey@epa.gov]; Bower, Ryan [Bower.Ryan@epa.gov]  
**CC:** DuBois, Sean [Ex. 6 Personal Privacy (PP)]; Corbett, Chris [Corbett.Chris@epa.gov]  
**Subject:** Placeholder - Sauer Dump climate change vulnerability assessment preliminary results  
**Location:** Microsoft Teams Meeting  
**Start:** 2/10/2022 3:30:00 PM  
**End:** 2/10/2022 4:30:00 PM  
**Show Time As:** Tentative

**Required Attendees:** Pachon, Carlos; Pluta, Bruce; Tuttle, Jeffrey; Bower, Ryan  
**Optional Attendees:** DuBois, Sean; Corbett, Chris

---

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**Sent:** 1/18/2022 4:10:36 PM  
**To:** Matzko.Kristine@epamail.epa.gov  
**Subject:** Placeholder - Sauer Dump climate change vulnerability assessment preliminary results  
**Location:** Microsoft Teams Meeting  
**Start:** 2/10/2022 3:30:00 PM  
**End:** 2/10/2022 4:30:00 PM  
**Show Time As:** Tentative

**Required Attendees:** Pachon, Carlos; Pluta, Bruce; Tuttle, Jeffrey; Bower, Ryan; Matzko.Kristine@epamail.epa.gov  
**Optional Attendees:** DuBois, Sean; Corbett, Chris

---

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**From:** Pachon, Carlos <[Pachon.Carlos@epa.gov](mailto:Pachon.Carlos@epa.gov)>

**Sent:** Friday, January 14, 2022 2:22 PM



**To:** Tymchenko, Nick <Tymchenko.Nick@epa.gov>

**Cc:** DuBois, Sean Ex. 6 Personal Privacy (PP)

**Subject:** RE: Sauer Dump schedule

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(571)2162060  
[Pachon.carlos@epa.gov](mailto:Pachon.carlos@epa.gov)

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**Sent:** 1/18/2022 7:04:14 PM  
**To:** Pachon, Carlos [Pachon.Carlos@epa.gov]; Pluta, Bruce [Pluta.Bruce@epa.gov]; Tuttle, Jeffrey [Tuttle.Jeffrey@epa.gov]; Bower, Ryan [Bower.Ryan@epa.gov]; Matzko, Kristine [epamail.epa.gov]  
**CC:** DuBois, Sean [Ex. 6 Personal Privacy (PP)]; Corbett, Chris [Corbett.Chris@epa.gov]; Sinski, Patti [Ex. 6 Personal Privacy (PP)]; Bhat, Cassandra [Ex. 6 Personal Privacy (PP)]  
**Subject:** Placeholder - Sauer Dump climate change vulnerability assessment preliminary results  
**Location:** Microsoft Teams Meeting  
**Start:** 2/10/2022 4:00:00 PM  
**End:** 2/10/2022 5:00:00 PM  
**Show Time As:** Tentative

**Required Attendees:** Pachon, Carlos; Pluta, Bruce; Tuttle, Jeffrey; Bower, Ryan; Matzko, Kristine [epamail.epa.gov]  
**Optional Attendees:** DuBois, Sean; Corbett, Chris; Sinski, Patti; Bhat, Cassandra

---

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**To:** Tymchenko, Nick <Tymchenko.Nick@epa.gov>  
**Cc:** DuBois, Sean [Ex. 6 Personal Privacy (PP)]  
**Subject:** RE: Sauer Dump schedule

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Western PA/MD Remedial Section  
Superfund & Emergency Management Division  
US EPA Region 3  
Mail Code 3SD22  
1650 Arch St.  
Philadelphia, PA 19103-2029

(215) 814-2022

Message

---

**From:** Tymchenko, Nick [/O=EXCHANGELABS/OU=EXCHANGE ADMINISTRATIVE GROUP (FYDIBOHF23SPDLT)/CN=RECIPIENTS/CN=D5A1B6B16C5C467AA57C5F05310D8ED2-NTYMCHEN]  
**Sent:** 1/18/2022 4:21:40 PM  
**To:** Pluta, Bruce [Pluta.Bruce@epa.gov]  
**Subject:** FW: FYI - Sauer Dump FW: Meeting Request  
**Attachments:** Climate Vulnerability Assessment Tech Support July 2021.pdf

FYI – this is HQ support fact sheet for the assessment.

Nick Tymchenko  
Remedial Project Manager  
Western PA/MD Remedial Section  
Superfund & Emergency Management Division  
US EPA Region 3  
Mail Code 3SD22  
1650 Arch St.  
Philadelphia, PA 19103-2029

(215) 814-2022

---

**From:** Root, Charlie <Root.Charlie@epa.gov>  
**Sent:** Tuesday, November 23, 2021 10:08 AM  
**To:** Leonard, Paul <leonard.paul@epa.gov>; Dietz, Linda <Dietz.Linda@epa.gov>  
**Cc:** Matzko, Kristine <Matzko.Kristine@epa.gov>; Tymchenko, Nick <Tymchenko.Nick@epa.gov>; Corbett, Chris <Corbett.Chris@epa.gov>  
**Subject:** FW: FYI - Sauer Dump FW: Meeting Request

This is for your situational awareness only. Nick Tymchenko has requested HQs optimization program support for a Sauer Dump climate vulnerability assessment. See below email string. Carlos Pachon will likely mention this as an example of the support HQs can offer Region's related to climate change on the DD's Call this afternoon. Let us know if you have any questions. Thanks.

*Charlie Root*

Pronouns: (he, him)  
Chief, Site Remediation Branch  
US EPA Region 3  
Superfund & Emergency Management Division  
1650 Arch Street (3SD20)  
Philadelphia, PA 19103  
(215) 814-3193

Cell – Ex. 6 Personal Privacy (PP)

---

**From:** Matzko, Kristine <Matzko.Kristine@epa.gov>  
**Sent:** Tuesday, November 23, 2021 10:01 AM  
**To:** Root, Charlie <Root.Charlie@epa.gov>  
**Subject:** FW: FYI - Sauer Dump FW: Meeting Request

Do you want to let Paul and Linda know – maybe you are attending the meeting

---

**From:** Tymchenko, Nick <[Tymchenko.Nick@epa.gov](mailto:Tymchenko.Nick@epa.gov)>  
**Sent:** Tuesday, November 23, 2021 9:57 AM  
**To:** Matzko, Kristine <[Matzko.Kristine@epa.gov](mailto:Matzko.Kristine@epa.gov)>; Root, Charlie <[Root.Charlie@epa.gov](mailto:Root.Charlie@epa.gov)>  
**Cc:** Corbett, Chris <[Corbett.Chris@epa.gov](mailto:Corbett.Chris@epa.gov)>  
**Subject:** FYI - Sauer Dump FW: Meeting Request

Hi – FYI, I met with Carlos Pachon and Chris C. this morning to get ICF and HQ optimization program support for a Sauer Dump climate vulnerability assessment. This will provide supporting information in the Admin Record for a removal vs containment remedy decision.

**Heads up for Paul/Linda** - He indicated that there is a call later today with the Division Directors and he will bring Sauer Dump up as an example of climate assessment support available to RPMs.

Let me know if you have any questions.

Nick Tymchenko  
Remedial Project Manager  
Western PA/MD Remedial Section  
Superfund & Emergency Management Division  
US EPA Region 3  
Mail Code 3SD22  
1650 Arch St.  
Philadelphia, PA 19103-2029

(215) 814-2022

---

**From:** Pachon, Carlos <[Pachon.Carlos@epa.gov](mailto:Pachon.Carlos@epa.gov)>  
**Sent:** Tuesday, November 16, 2021 9:19 AM  
**To:** Corbett, Chris <[Corbett.Chris@epa.gov](mailto:Corbett.Chris@epa.gov)>  
**Cc:** Tymchenko, Nick <[Tymchenko.Nick@epa.gov](mailto:Tymchenko.Nick@epa.gov)>  
**Subject:** RE: Meeting Request

I should add that if you wish, in we have the resources and expertise to conduct a vulnerability assessment through our HQ support (see attachment). You might run a screening first with us, and use the findings to write an SOW for a more robust analysis, if deemed necessary from the screening.

Carlos S Pachon  
USEPA Superfund Program  
Washington DC  
(571)2162060  
[Pachon.carlos@epa.gov](mailto:Pachon.carlos@epa.gov)

---

**From:** Pachon, Carlos  
**Sent:** Tuesday, November 16, 2021 9:06 AM  
**To:** Corbett, Chris <[Corbett.Chris@epa.gov](mailto:Corbett.Chris@epa.gov)>  
**Cc:** Tymchenko, Nick <[Tymchenko.Nick@epa.gov](mailto:Tymchenko.Nick@epa.gov)>  
**Subject:** RE: Meeting Request

Hello Chris – It's good to hear from you and thanks for the feedback on FRTR. I'll be happy to join you on a call, though this week is very bad as I am moving and it coincided with some key deliverables. Please pick any time available next week. FYI I anticipate the SOW language will focus more on the nature of the analyses and questions the vulnerability assessment should address, and less on the specific models and information resources they should use. That will be up to the contractor and their experience and professional judgement.

Carlos S Pachon  
USEPA Superfund Program  
Washington DC  
(571)2162060  
[Pachon.carlos@epa.gov](mailto:Pachon.carlos@epa.gov)

---

**From:** Corbett, Chris <[Corbett.Chris@epa.gov](mailto:Corbett.Chris@epa.gov)>  
**Sent:** Monday, November 15, 2021 2:55 PM  
**To:** Pachon, Carlos <[Pachon.Carlos@epa.gov](mailto:Pachon.Carlos@epa.gov)>  
**Cc:** Tymchenko, Nick <[Tymchenko.Nick@epa.gov](mailto:Tymchenko.Nick@epa.gov)>  
**Subject:** Meeting Request

While enjoying your training, I can't help but think about the Sauer Dump Site, currently on the Administrator's Emphasis List, which I am working on with RPM Tymchenko. The site is located immediately adjacent to the Back River which flows into the Chesapeake Bay.

## Ex. 5 Deliberative Process (DP)

## Deliberative Process (DP)

for support to assess vulnerability and predict potential

Are you available for 15 – 30 minutes to provide suggestions that will assist the development of the SOW, specifically model recommendations (I explained to Nick we may want to evaluate a range of models) and any other activities that Nick should consider.

Ex. 5 Deliberative Process (DP)

Ex. 5 Deliberative Process (DP)

Thank you for your consideration.

# Climate Vulnerability Assessments for Superfund RPMs

*Providing a review of site climate vulnerabilities to document and improve remedy resilience*

In June 2021 the EPA Office of Superfund Remediation and Technology Innovation (OSRTI) issued a Memo on *Consideration of Climate Resilience in the Superfund Cleanup Process for non-Federal NPL Sites*. As described in the Memo, and in response to requests from RPMs for assistance in determining site vulnerabilities to climate change, OSRTI offers climate vulnerability assessments as part of the Optimization Program.

Remedies at Superfund sites are already designed to maintain protectiveness under modern climate conditions. A climate vulnerability assessment specifically evaluates the resilience of the remedy's protectiveness to future climate impacts. Ideal candidates for an assessment include sites with remedies that may not have incorporated future climate data, or sites requiring documentation of remedy resilience to address community or other site stakeholder concerns. The assessment documents and identifies resilience capabilities of existing or planned remedies and may recommend adaptation measures to improve resilience of the remedy's protectiveness.

## ***Support Provided by a Climate Assessment***

A climate assessment begins with a discussion between the RPM and independent climate, remediation, and GIS technical experts to identify site needs. A preliminary assessment follows, which involves a high-level review of site components to determine vulnerabilities, and a screening of possible climate scenarios using publicly available tools to identify specific climate threats. The RPM receives vulnerability screening findings report, with a recommendation whether a full assessment is warranted.

The full assessment includes a detailed review of site components and site-level climate impacts including climate modeling when appropriate. The focus of the full assessment is guided by current or planned site infrastructure, the extent to which site and remedy analyses incorporated forward-looking climate data, the type of contamination and structure of waste at the site, and Superfund remedy phase. Example support provided by remedy phase includes:

- **Up through RI:** Integration of current and projected climate impacts into risk assessments and the CSM.
- **Feasibility Study:** Analysis of adaptive measures for each remedial alternative based on current and projected climate impacts.
- **Remedial Design:** Incorporation of engineered adaptive measures to the remedy design.
- **RA, LTRA, O&M:** Evaluation of remedy performance under current and future climate and any necessary modifications.

## ***Outcome of a Climate Assessment***

After participating in a climate assessment, the RPM receives:

- A forward-looking understanding of climate impacts at the site,
- Documentation of climate impacts and remedy resilience measures; and
- Inputs for CSM and recommendations for adaptation and resiliency measures.

The preliminary assessment and full assessment reports clearly identify climate impacts, existing remedy resilience measures which have incorporated forward-looking climate data, and actionable recommendations for adaptation. Additional GIS-based deliverables can be provided that suit the site team's needs. The goal of all deliverables is to provide the RPM with the tools necessary to improve remedy resilience in a changing climate.

## ***How to Request Support***

Requests for support can be submitted through the [Climate Vulnerability Assessment Engagement Form](#) (access through VPN required).

For more information regarding an assessment please contact your [Regional Optimization Liaison](#).

Additional information on resilience at Superfund sites can be found at EPA's webpage [Superfund Climate Resilience](#). Climate assessments are funded and managed by OSRTI.

Office of Superfund Remediation  
and Technology Innovation  
Technology Innovation and Field  
Services Division  
June 2021



ED\_012998A\_00000298-00001

Message

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**From:** Tymchenko, Nick [/O=EXCHANGELABS/OU=EXCHANGE ADMINISTRATIVE GROUP (FYDIBOHF23SPDLT)/CN=RECIPIENTS/CN=D5A1B6B16C5C467AA57C5F05310D8ED2-NTYMCHEN]  
**Sent:** 1/31/2022 3:08:56 PM  
**To:** Matzko, Kristine [Matzko.Kristine@epa.gov]  
**Subject:** RE: Placeholder - Sauer Dump climate change vulnerability assessment preliminary results

FYI for you, discretionary. I'll invite some of the new senior RPMs, think it would be interesting as this is one of the first ones coming though.

Nick Tymchenko  
Remedial Project Manager  
Western PA/MD Remedial Section  
Superfund & Emergency Management Division  
US EPA Region 3  
Mail Code 3SD22  
1650 Arch St.  
Philadelphia, PA 19103-2029

(215) 814-2022

---

**From:** Matzko, Kristine <Matzko.Kristine@epa.gov>  
**Sent:** Monday, January 31, 2022 10:06 AM  
**To:** Tymchenko, Nick <Tymchenko.Nick@epa.gov>  
**Subject:** RE: Placeholder - Sauer Dump climate change vulnerability assessment preliminary results

I have another meeting at the same time – meeting on Barefoot, a site assessment site – they are trying to determine next steps. Do you want me to attend this meeting or is it discretionary

-----Original Appointment-----

**From:** Tymchenko, Nick <Tymchenko.Nick@epa.gov>  
**Sent:** Tuesday, January 18, 2022 11:11 AM  
**To:** Tymchenko, Nick; Pachon, Carlos; Pluta, Bruce; Tuttle, Jeffrey; Bower, Ryan; Matzko, Kristine  
**Cc:** DuBois, Sean; Corbett, Chris; Sinski, Patti; Bhat, Cassandra; Grismala, Ralph; Vargo, Amanda  
**Subject:** Placeholder - Sauer Dump climate change vulnerability assessment preliminary results  
**When:** Thursday, February 10, 2022 11:00 AM-12:00 PM (UTC-05:00) Eastern Time (US & Canada).  
**Where:** Microsoft Teams Meeting

---

## Microsoft Teams meeting

### Join on your computer or mobile app

[Click here to join the meeting](#)

### Join with a video conferencing device

[sip:teams@video.epa.gov](mailto:sip:teams@video.epa.gov)

Video Conference ID: 119 137 974 9



[Alternate VTC instructions](#)

**Or call in (audio only)**

[+1 484-352-3221, 747029944#](#) United States, Philadelphia

Phone Conference ID: 747 029 944#

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---

**From:** Pachon, Carlos <[Pachon.Carlos@epa.gov](mailto:Pachon.Carlos@epa.gov)>  
**Sent:** Friday, January 14, 2022 2:22 PM  
**To:** Tymchenko, Nick <[Tymchenko.Nick@epa.gov](mailto:Tymchenko.Nick@epa.gov)>  
**Cc:** DuBois, Sean <[Ex. 6 Personal Privacy \(PP\)](#)>  
**Subject:** RE: Sauer Dump schedule

Hello Nick – we are aiming to have a call and walk through of preliminary results 2/11. Does 2/11 work for a call? The first draft is due early March, Do you need it earlier?

Thanks, hope you have a great weekend!

Carlos S Pachon  
USEPA Superfund Program  
Washington DC  
(571)2162060  
[Pachon.carlos@epa.gov](mailto:Pachon.carlos@epa.gov)

---

**From:** Tymchenko, Nick <[Tymchenko.Nick@epa.gov](mailto:Tymchenko.Nick@epa.gov)>  
**Sent:** Thursday, January 13, 2022 8:23 AM  
**To:** Pachon, Carlos <[Pachon.Carlos@epa.gov](mailto:Pachon.Carlos@epa.gov)>  
**Subject:** Sauer Dump schedule

Hi Carlos – do you have a schedule/timeline for the assessment process? I know we discussed the general time line and that it coincides with my FS / PRAP schedule, but I'd like to get a date for submittal of the first draft to place into the AEL reporting documents I prepare.

Thanks,

Nick Tymchenko  
Remedial Project Manager  
Western PA/MD Remedial Section  
Superfund & Emergency Management Division

US EPA Region 3  
Mail Code 3SD22  
1650 Arch St.  
Philadelphia, PA 19103-2029

(215) 814-2022

## Appointment

---

**From:** Tymchenko, Nick [/O=EXCHANGELABS/OU=EXCHANGE ADMINISTRATIVE GROUP (FYDIBOHF23SPDLT)/CN=RECIPIENTS/CN=D5A1B6B16C5C467AA57C5F05310D8ED2-NTYMCHEN]  
**Sent:** 1/31/2022 3:09:48 PM  
**CC:** Tyahla, Stephen [Tyahla.Stephen@epa.gov]; White, Brad [White.Brad@epa.gov]  
**Subject:** Placeholder - Sauer Dump climate change vulnerability assessment preliminary results  
**Location:** Microsoft Teams Meeting  
**Start:** 2/10/2022 4:00:00 PM  
**End:** 2/10/2022 5:00:00 PM  
**Show Time As:** Tentative

**Required Attendees:** Pachon, Carlos; Pluta, Bruce; Tuttle, Jeffrey; Bower, Ryan  
**Optional Attendees:** DuBois, Sean; Corbett, Chris; Sinski, Patti; Bhat, Cassandra; Grismala, Ralph; Vargo, Amanda; Matzko.Kristine@epamail.epa.gov; Tyahla, Stephen; White, Brad

---

## Microsoft Teams meeting

### Join on your computer or mobile app

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### Join with a video conferencing device

<sip:teams@video.epa.gov>

Video Conference ID: 119 137 974 9

[Alternate VTC instructions](#)

### Or call in (audio only)

[+1 484-352-3221, 747029944#](#) United States, Philadelphia

Phone Conference ID: 747 029 944#

[Find a local number](#) | [Reset PIN](#)

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**From:** Pachon, Carlos <[Pachon.Carlos@epa.gov](mailto:Pachon.Carlos@epa.gov)>

**Sent:** Friday, January 14, 2022 2:22 PM

**To:** Tymchenko, Nick <Tymchenko.Nick@epa.gov>  
**Cc:** DuBois, Sean <[REDACTED]>  
**Subject:** RE: Sauer Dump schedule

Hello Nick – we are aiming to have a call and walk through of preliminary results 2/11. Does 2/11 work for a call? The first draft is due early March, Do you need it earlier?

Thanks, hope you have a great weekend!

Carlos S Pachon  
USEPA Superfund Program  
Washington DC  
(571)2162060  
[Pachon.carlos@epa.gov](mailto:Pachon.carlos@epa.gov)

---

**From:** Tymchenko, Nick <Tymchenko.Nick@epa.gov>  
**Sent:** Thursday, January 13, 2022 8:23 AM  
**To:** Pachon, Carlos <Pachon.Carlos@epa.gov>  
**Subject:** Sauer Dump schedule

Hi Carlos – do you have a schedule/timeline for the assessment process? I know we discussed the general time line and that it coincides with my FS / PRAP schedule, but I'd like to get a date for submittal of the first draft to place into the AEL reporting documents I prepare.

Thanks,

Nick Tymchenko  
Remedial Project Manager  
Western PA/MD Remedial Section  
Superfund & Emergency Management Division  
US EPA Region 3  
Mail Code 3SD22  
1650 Arch St.  
Philadelphia, PA 19103-2029

(215) 814-2022

Message

---

**From:** Tymchenko, Nick [/O=EXCHANGELABS/OU=EXCHANGE ADMINISTRATIVE GROUP (FYDIBOHF23SPDLT)/CN=RECIPIENTS/CN=D5A1B6B16C5C467AA57C5F05310D8ED2-NTYMCHEN]  
**Sent:** 2/7/2022 7:06:00 PM  
**To:** Matzko, Kristine [Matzko.Kristine@epa.gov]  
**Subject:** RE: Placeholder - Sauer Dump climate change vulnerability assessment preliminary results

Yes — no problem.

Nick Tymchenko  
Remedial Project Manager  
Western PA/MD Remedial Section  
Superfund & Emergency Management Division  
US EPA Region 3  
Mail Code 3SD22  
1650 Arch St.  
Philadelphia, PA 19103-2029

(215) 814-2022

---

**From:** Matzko, Kristine <Matzko.Kristine@epa.gov>  
**Sent:** Monday, February 07, 2022 1:23 PM  
**To:** Tymchenko, Nick <Tymchenko.Nick@epa.gov>  
**Subject:** RE: Placeholder - Sauer Dump climate change vulnerability assessment preliminary results

Can I decline this meeting?

-----Original Appointment-----

**From:** Tymchenko, Nick <Tymchenko.Nick@epa.gov>  
**Sent:** Tuesday, January 18, 2022 11:11 AM  
**To:** Tymchenko, Nick; Pachon, Carlos; Pluta, Bruce; Tuttle, Jeffrey; Bower, Ryan  
**Cc:** DuBois, Sean; Corbett, Chris; Sinski, Patti; Bhat, Cassandra; Grismala, Ralph; Vargo, Amanda; Matzko, Kristine; Tyahla, Stephen; White, Brad  
**Subject:** Placeholder - Sauer Dump climate change vulnerability assessment preliminary results  
**When:** Thursday, February 10, 2022 11:00 AM-12:00 PM (UTC-05:00) Eastern Time (US & Canada).  
**Where:** Microsoft Teams Meeting

---

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**From:** Pachon, Carlos <[Pachon.Carlos@epa.gov](mailto:Pachon.Carlos@epa.gov)>  
**Sent:** Friday, January 14, 2022 2:22 PM  
**To:** Tymchenko, Nick <[Tymchenko.Nick@epa.gov](mailto:Tymchenko.Nick@epa.gov)>  
**Cc:** DuBois, Sean; **Ex. 6 Personal Privacy (PP)**  
**Subject:** RE: Sauer Dump schedule

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Carlos S Pachon  
USEPA Superfund Program  
Washington DC  
(571)2162060  
[Pachon.carlos@epa.gov](mailto:Pachon.carlos@epa.gov)

---

**From:** Tymchenko, Nick <[Tymchenko.Nick@epa.gov](mailto:Tymchenko.Nick@epa.gov)>  
**Sent:** Thursday, January 13, 2022 8:23 AM  
**To:** Pachon, Carlos <[Pachon.Carlos@epa.gov](mailto:Pachon.Carlos@epa.gov)>  
**Subject:** Sauer Dump schedule

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Thanks,

Nick Tymchenko  
Remedial Project Manager  
Western PA/MD Remedial Section  
Superfund & Emergency Management Division  
US EPA Region 3  
Mail Code 3SD22

1650 Arch St.  
Philadelphia, PA 19103-2029

(215) 814-2022

Message

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**From:** Tymchenko, Nick [/O=EXCHANGELABS/OU=EXCHANGE ADMINISTRATIVE GROUP (FYDIBOHF23SPDLT)/CN=RECIPIENTS/CN=D5A1B6B16C5C467AA57C5F05310D8ED2-NTYMCHEN]  
**Sent:** 2/10/2022 5:10:13 PM  
**To:** White, Brad [White.Brad@epa.gov]  
**Subject:** FW: Placeholder - Sauer Dump climate change vulnerability assessment preliminary results  
**Attachments:** Climate Vulnerability Assessment Tech Support July 2021.pdf

Nick Tymchenko  
Remedial Project Manager  
Western PA/MD Remedial Section  
Superfund & Emergency Management Division  
US EPA Region 3  
Mail Code 3SD22  
1650 Arch St.  
Philadelphia, PA 19103-2029

(215) 814-2022

---

**From:** Tymchenko, Nick  
**Sent:** Monday, January 31, 2022 10:18 AM  
**To:** Tyahla, Stephen <Tyahla.Stephen@epa.gov>; White, Brad <White.Brad@epa.gov>  
**Subject:** FW: Placeholder - Sauer Dump climate change vulnerability assessment preliminary results

Brad / Steve  
FYI

— I invited you to sit in on the preliminary climate assessment findings for Sauer Dump which was done under an HQ OSRTI contract. This recently became available to RPMs and coincides with the Sauer Dump PRP's FS.

I am looking at consolidation/capping with partial removal/disposal of soils VS. 100% removal/disposal and this will help with the decision for the Admin Record.

That is all.

Nick Tymchenko  
Remedial Project Manager  
Western PA/MD Remedial Section  
Superfund & Emergency Management Division  
US EPA Region 3  
Mail Code 3SD22  
1650 Arch St.  
Philadelphia, PA 19103-2029

(215) 814-2022

---

**From:** Matzko, Kristine <Matzko.Kristine@epa.gov>  
**Sent:** Monday, January 31, 2022 10:06 AM



**To:** Tymchenko, Nick <Tymchenko.Nick@epa.gov>

**Subject:** RE: Placeholder - Sauer Dump climate change vulnerability assessment preliminary results

I have another meeting at the same time – meeting on Barefoot, a site assessment site – they are trying to determine next steps. Do you want me to attend this meeting or is it discretionary

-----Original Appointment-----

**From:** Tymchenko, Nick <Tymchenko.Nick@epa.gov>

**Sent:** Tuesday, January 18, 2022 11:11 AM

**To:** Tymchenko, Nick; Pachon, Carlos; Pluta, Bruce; Tuttle, Jeffrey; Bower, Ryan; Matzko, Kristine

**Cc:** DuBois, Sean; Corbett, Chris; Sinski, Patti; Bhat, Cassandra; Grismala, Ralph; Vargo, Amanda

**Subject:** Placeholder - Sauer Dump climate change vulnerability assessment preliminary results

**When:** Thursday, February 10, 2022 11:00 AM-12:00 PM (UTC-05:00) Eastern Time (US & Canada).

**Where:** Microsoft Teams Meeting

---

## Microsoft Teams meeting

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Video Conference ID: 119 137 974 9

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**From:** Pachon, Carlos <Pachon.Carlos@epa.gov>

**Sent:** Friday, January 14, 2022 2:22 PM

**To:** Tymchenko, Nick <Tymchenko.Nick@epa.gov>

**Cc:** DuBois, Sean Ex. 6 Personal Privacy (PP)

**Subject:** RE: Sauer Dump schedule

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Carlos S Pachon  
USEPA Superfund Program  
Washington DC  
(571)2162060  
[Pachon.carlos@epa.gov](mailto:Pachon.carlos@epa.gov)

---

**From:** Tymchenko, Nick <[Tymchenko.Nick@epa.gov](mailto:Tymchenko.Nick@epa.gov)>  
**Sent:** Thursday, January 13, 2022 8:23 AM  
**To:** Pachon, Carlos <[Pachon.Carlos@epa.gov](mailto:Pachon.Carlos@epa.gov)>  
**Subject:** Sauer Dump schedule

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Nick Tymchenko  
Remedial Project Manager  
Western PA/MD Remedial Section  
Superfund & Emergency Management Division  
US EPA Region 3  
Mail Code 3SD22  
1650 Arch St.  
Philadelphia, PA 19103-2029

(215) 814-2022

# Climate Vulnerability Assessments for Superfund RPMs

*Providing a review of site climate vulnerabilities to document and improve remedy resilience*

In June 2021 the EPA Office of Superfund Remediation and Technology Innovation (OSRTI) issued a Memo on *Consideration of Climate Resilience in the Superfund Cleanup Process for non-Federal NPL Sites*. As described in the Memo, and in response to requests from RPMs for assistance in determining site vulnerabilities to climate change, OSRTI offers climate vulnerability assessments as part of the Optimization Program.

Remedies at Superfund sites are already designed to maintain protectiveness under modern climate conditions. A climate vulnerability assessment specifically evaluates the resilience of the remedy's protectiveness to future climate impacts. Ideal candidates for an assessment include sites with remedies that may not have incorporated future climate data, or sites requiring documentation of remedy resilience to address community or other site stakeholder concerns. The assessment documents and identifies resilience capabilities of existing or planned remedies and may recommend adaptation measures to improve resilience of the remedy's protectiveness.

## **Support Provided by a Climate Assessment**

A climate assessment begins with a discussion between the RPM and independent climate, remediation, and GIS technical experts to identify site needs. A preliminary assessment follows, which involves a high-level review of site components to determine vulnerabilities, and a screening of possible climate scenarios using publicly available tools to identify specific climate threats. The RPM receives vulnerability screening findings report, with a recommendation whether a full assessment is warranted.

The full assessment includes a detailed review of site components and site-level climate impacts including climate modeling when appropriate. The focus of the full assessment is guided by current or planned site infrastructure, the extent to which site and remedy analyses incorporated forward-looking climate data, the type of contamination and structure of waste at the site, and Superfund remedy phase. Example support provided by remedy phase includes:

- **Up through RI:** Integration of current and projected climate impacts into risk assessments and the CSM.
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- **Remedial Design:** Incorporation of engineered adaptive measures to the remedy design.
- **RA, LTRA, O&M:** Evaluation of remedy performance under current and future climate and any necessary modifications.

## **Outcome of a Climate Assessment**

After participating in a climate assessment, the RPM receives:

- A forward-looking understanding of climate impacts at the site,
- Documentation of climate impacts and remedy resilience measures; and
- Inputs for CSM and recommendations for adaptation and resiliency measures.

The preliminary assessment and full assessment reports clearly identify climate impacts, existing remedy resilience measures which have incorporated forward-looking climate data, and actionable recommendations for adaptation. Additional GIS-based deliverables can be provided that suit the site team's needs. The goal of all deliverables is to provide the RPM with the tools necessary to improve remedy resilience in a changing climate.

## **How to Request Support**

Requests for support can be submitted through the [Climate Vulnerability Assessment Engagement Form](#) (access through VPN required).

For more information regarding an assessment please contact your [Regional Optimization Liaison](#).

Additional information on resilience at Superfund sites can be found at EPA's webpage [Superfund Climate Resilience](#). Climate assessments are funded and managed by OSRTI.

Office of Superfund Remediation  
and Technology Innovation  
Technology Innovation and Field  
Services Division  
June 2021



ED\_012998A\_00000329-00001

Message

---

**From:** Tymchenko, Nick [/O=EXCHANGELABS/OU=EXCHANGE ADMINISTRATIVE GROUP (FYDIBOHF23SPDLT)/CN=RECIPIENTS/CN=D5A1B6B16C5C467AA57C5F05310D8ED2-NTYMCHEN]  
**Sent:** 3/1/2022 6:07:28 PM  
**To:** DuBois, Sean [Ex. 6 Personal Privacy (PP)]  
**CC:** Pachon, Carlos [Pachon.Carlos@epa.gov]; Sinski, Patti [Ex. 6 Personal Privacy (PP)]; Vargo, Amanda [Ex. 6 Personal Privacy (PP)]  
**Subject:** RE: Sauer Dump Preliminary Climate Vulnerability Assessment - Technical Memorandum

Thanks -- looking forward to reading this and will set up a time in early April to discuss comments/questions from our review.

Nick Tymchenko  
Remedial Project Manager  
Western PA/MD Remedial Section  
Superfund & Emergency Management Division  
US EPA Region 3  
Mail Code 3SD22  
1650 Arch St.  
Philadelphia, PA 19103-2029

(215) 814-2022

---

**From:** DuBois, Sean [Ex. 6 Personal Privacy (PP)]>  
**Sent:** Tuesday, March 01, 2022 12:11 PM  
**To:** Tymchenko, Nick <Tymchenko.Nick@epa.gov>  
**Cc:** Pachon, Carlos <Pachon.Carlos@epa.gov>; Sinski, Patti [Ex. 6 Personal Privacy (PP)]; Vargo, Amanda [Ex. 6 Personal Privacy (PP)]  
**Subject:** Sauer Dump Preliminary Climate Vulnerability Assessment - Technical Memorandum

Hi Nick,

Please find the Sauer Dump Preliminary Climate Vulnerability Assessment Technical Memorandum attached. Once you have time to review this document and the FS, it may be worthwhile to have a meeting to discuss any comments and questions you may have on this document and any developments at the site which would inform potential future analyses, as necessary.

Thank you,  
Sean

Sean DuBois | Senior Environmental Analyst [Ex. 6 Personal Privacy (PP)]  
[Ex. 6 Personal Privacy (PP)]  
ICF | 9300 Lee Highway, Fairfax, VA 22031

## Appointment

---

**From:** Tymchenko, Nick [/O=EXCHANGELABS/OU=EXCHANGE ADMINISTRATIVE GROUP (FYDIBOHF23SPDLT)/CN=RECIPIENTS/CN=D5A1B6B16C5C467AA57C5F05310D8ED2-NTYMCHEN]  
**Sent:** 1/18/2022 3:35:08 PM  
**To:** Tymchenko, Nick [Tymchenko.Nick@epa.gov]; Pachon, Carlos [Pachon.Carlos@epa.gov]; Pluta, Bruce [Pluta.Bruce@epa.gov]; Tuttle, Jeffrey [Tuttle.Jeffrey@epa.gov]; Bower, Ryan [Bower.Ryan@epa.gov]  
**CC:** DuBois, Sean [Ex. 6 Personal Privacy (PP)]; Corbett, Chris [Corbett.Chris@epa.gov]; Sinski, Patti [Ex. 6 Personal Privacy (PP)]; Bhat, Cassandra [Ex. 6 Personal Privacy (PP)]; Grismala, Ralph [Ex. 6 Personal Privacy (PP)]; Vargo, Amanda [Ex. 6 Personal Privacy (PP)]; Matzko.Kristine@epamail.epa.gov; Tyahla, Stephen [Tyahla.Stephen@epa.gov]; White, Brad [White.Brad@epa.gov]; Whiting, Matia [Ex. 6 Personal Privacy (PP)]

**Subject:** Placeholder - Sauer Dump climate change vulnerability assessment preliminary results  
**Location:** Microsoft Teams Meeting

**Start:** 2/10/2022 4:00:00 PM  
**End:** 2/10/2022 5:00:00 PM  
**Show Time As:** Busy

**Required Attendees:** Tymchenko, Nick; Pachon, Carlos; Pluta, Bruce; Tuttle, Jeffrey; Bower, Ryan  
**Optional Attendees:** DuBois, Sean; Corbett, Chris; Sinski, Patti; Bhat, Cassandra; Grismala, Ralph; Vargo, Amanda; Matzko.Kristine@epamail.epa.gov; Tyahla, Stephen; White, Brad; Whiting, Matia

---

## Microsoft Teams meeting

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---

---

**From:** Pachon, Carlos <Pachon.Carlos@epa.gov>  
**Sent:** Friday, January 14, 2022 2:22 PM  
**To:** Tymchenko, Nick <Tymchenko.Nick@epa.gov>  
**Cc:** DuBois, Sean <Ex. 6 Personal Privacy (PP)>  
**Subject:** RE: Sauer Dump schedule

Hello Nick – we are aiming to have a call and walk through of preliminary results 2/11. Does 2/11 work for a call? The first draft is due early March, Do you need it earlier?

Thanks, hope you have a great weekend!

Carlos S Pachon  
USEPA Superfund Program  
Washington DC  
(571)2162060  
[Pachon.carlos@epa.gov](mailto:Pachon.carlos@epa.gov)

---

**From:** Tymchenko, Nick <Tymchenko.Nick@epa.gov>  
**Sent:** Thursday, January 13, 2022 8:23 AM  
**To:** Pachon, Carlos <Pachon.Carlos@epa.gov>  
**Subject:** Sauer Dump schedule

Hi Carlos – do you have a schedule/timeline for the assessment process? I know we discussed the general time line and that it coincides with my FS / PRAP schedule, but I'd like to get a date for submittal of the first draft to place into the AEL reporting documents I prepare.

Thanks,

Nick Tymchenko  
Remedial Project Manager  
Western PA/MD Remedial Section  
Superfund & Emergency Management Division  
US EPA Region 3  
Mail Code 3SD22  
1650 Arch St.  
Philadelphia, PA 19103-2029

(215) 814-2022

Appointment

---

**From:** Tymchenko, Nick [/O=EXCHANGELABS/OU=EXCHANGE ADMINISTRATIVE GROUP (FYDIBOHF23SPDLT)/CN=RECIPIENTS/CN=D5A1B6B16C5C467AA57C5F05310D8ED2-NTYMCHEN]  
**Sent:** 11/17/2021 8:08:58 PM  
**To:** Tymchenko, Nick [Tymchenko.Nick@epa.gov]; Pachon, Carlos [Pachon.Carlos@epa.gov]; Corbett, Chris [Corbett.Chris@epa.gov]  
**CC:** Barber, Joshua [Barber.Joshua@epa.gov]  
**Subject:** Sauer Dump vulnerability assessment  
**Location:** Microsoft Teams Meeting  
**Start:** 11/23/2021 2:00:00 PM  
**End:** 11/23/2021 3:00:00 PM  
**Show Time As:** Busy

**Required Attendees:** Tymchenko, Nick; Pachon, Carlos; Corbett, Chris  
**Optional Attendees:** Barber, Joshua

-----  
**From:** Corbett, Chris  
**Sent:** Tuesday, November 16, 2021 12:20 PM  
**To:** Pachon, Carlos  
**Cc:** Tymchenko, Nick  
**Subject:** RE: Meeting Request

Thank you Carlos. I look forward to speaking with you next week...been too long.

**From:** Pachon, Carlos <Pachon.Carlos@epa.gov>  
**Sent:** Tuesday, November 16, 2021 9:19 AM  
**To:** Corbett, Chris <Corbett.Chris@epa.gov>  
**Cc:** Tymchenko, Nick <Tymchenko.Nick@epa.gov>  
**Subject:** RE: Meeting Request

I should add that if you wish, in we have the resources and expertise to conduct a vulnerability assessment through our HQ support (see attachment). You might run a screening first with us, and use the findings to write an SOW for a more robust analysis, if deemed necessary from the screening.

Carlos S Pachon

USEPA Superfund Program

Washington DC

(571)2162060

[Pachon.carlos@epa.gov](mailto:Pachon.carlos@epa.gov)

**From:** Pachon, Carlos  
**Sent:** Tuesday, November 16, 2021 9:06 AM  
**To:** Corbett, Chris <[Corbett.Chris@epa.gov](mailto:Corbett.Chris@epa.gov)>  
**Cc:** Tymchenko, Nick <[Tymchenko.Nick@epa.gov](mailto:Tymchenko.Nick@epa.gov)>  
**Subject:** RE: Meeting Request

Hello Chris – It's good to hear from you and thanks for the feedback on FRTR. I'll be happy to join you on a call, though this week is very bad as I am moving and it coincided with some key deliverables. Please pick any time available next week. FYI I anticipate the SOW language will focus more on the nature of the analyses and questions the vulnerability assessment should address, and less on the specific models and information resources they should use. That will be up to the contractor and their experience and professional judgement.

Carlos S Pachon

USEPA Superfund Program

Washington DC

(571)2162060

[Pachon.carlos@epa.gov](mailto:Pachon.carlos@epa.gov)

**From:** Corbett, Chris <[Corbett.Chris@epa.gov](mailto:Corbett.Chris@epa.gov)>  
**Sent:** Monday, November 15, 2021 2:55 PM  
**To:** Pachon, Carlos <[Pachon.Carlos@epa.gov](mailto:Pachon.Carlos@epa.gov)>  
**Cc:** Tymchenko, Nick <[Tymchenko.Nick@epa.gov](mailto:Tymchenko.Nick@epa.gov)>  
**Subject:** Meeting Request



While enjoying your training, I can't help but think about the Sauer Dump Site, currently on the Administrator's Emphasis List, which I am working on with RPM Tymchenko. The site is located immediately adjacent to the Back River which flows into the Chesapeake Bay.

## Ex. 5 Deliberative Process (DP)

Ex. 5 Deliberative Process (DP)

Are you available for 15 – 30 minutes to provide suggestions that will assist the development of the SOW, specifically model recommendations (I explained to Nick we may want to evaluate a range of models) and any other activities that Nick should consider.

## Ex. 5 Deliberative Process (DP)

## Ex. 5 Deliberative Process (DP)

Thank you for your consideration.

---

### Microsoft Teams meeting

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---

## Appointment

---

**From:** Pachon, Carlos [Pachon.Carlos@epa.gov]  
**Sent:** 12/6/2021 5:29:47 PM  
**To:** Pachon, Carlos [Pachon.Carlos@epa.gov]; Tymchenko, Nick [Tymchenko.Nick@epa.gov]; Corbett, Chris [Corbett.Chris@epa.gov]; Patti Sinski [Ex. 6 Personal Privacy (PP)]; DuBois, Sean [Ex. 6 Personal Privacy (PP)]  
**CC:** Grismala, Ralph [Ex. 6 Personal Privacy (PP)]; Vargo, Amanda [Ex. 6 Personal Privacy (PP)]; Cron, Mitch [Cron.Mitch@epa.gov]; Rice, Jim [Jim.Rice@icf.com]  
**Subject:** Sauer Dump Climate Vulnerability Assessment - Scoping call  
**Location:** Microsoft Teams Meeting  
**Start:** 12/15/2021 8:00:00 PM  
**End:** 12/15/2021 9:00:00 PM  
**Show Time As:** Busy

**Required Attendees:** Pachon, Carlos; Tymchenko, Nick; Corbett, Chris; Patti Sinski; DuBois, Sean  
**Optional Attendees:** Grismala, Ralph; Vargo, Amanda; Cron, Mitch; Rice, Jim

### Scoping Call Agenda Climate Assessment Review Sauer Dump December 15, 2021, 3pm-4pm EDT

#### Participants:

- EPA:
  - Carlos Pachon, EPA HQ OSRTI, Project Lead
  - Nick Tymchenko, EPA Region 3, RPM
  - Chris Corbett, EPA Region 3
  
- Contractor:
  - Patti Sinski, ICF TO Lead
  - Sean DuBois, ICF Climate Lead
  - Amanda Vargo, ICF Climate Scientist
  
  - Ralph Grismala, P.E., ICF Remediation Lead, Engineer

## Summary Agenda

- Introductions (All)
  - Climate Assessment Process Overview (ICF)
  - Reason for Assessment (RPM)
    - Previous climate events impacting the site and remedies
    - Consideration of climate data during investigation (historic or future)
    - Community interest in climate impacts at the site
  - Site Overview (RPM)
  - Discussion (All)
    - Primary focus of this assessment
    - Previous actions performed at the site
    - Status of the ongoing FS
    - Climate assessment described in Appendix C of DAA
  - Questions about Scope and Expectations (All)
  - Data and Documents for Review (All)
  - Next Steps/Conclusion (All)
- 

## Microsoft Teams meeting

### Join on your computer or mobile app

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Message

---

**From:** Matzko, Kristine [Matzko.Kristine@epa.gov]  
**Sent:** 12/3/2021 6:41:47 PM  
**To:** Tymchenko, Nick [Tymchenko.Nick@epa.gov]  
**Subject:** RE: Sauer Dump vulnerability assessment

Thanks for coordinating with HQ on this

---

**From:** Tymchenko, Nick <Tymchenko.Nick@epa.gov>  
**Sent:** Friday, December 03, 2021 1:41 PM  
**To:** Pachon, Carlos <Pachon.Carlos@epa.gov>  
**Cc:** Corbett, Chris <Corbett.Chris@epa.gov>; Matzko, Kristine <Matzko.Kristine@epa.gov>  
**Subject:** RE: Sauer Dump vulnerability assessment

Great, it's Appendix C in the DAA.

I'm also including the transmittal letter for someone getting up to speed on the Site. The PRPs included a table summarizing the alternatives into one sheet.

Thanks.

Nick Tymchenko  
Remedial Project Manager  
Western PA/MD Remedial Section  
Superfund & Emergency Management Division  
US EPA Region 3  
Mail Code 3SD22  
1650 Arch St.  
Philadelphia, PA 19103-2029

(215) 814-2022

---

**From:** Pachon, Carlos <Pachon.Carlos@epa.gov>  
**Sent:** Friday, December 03, 2021 1:35 PM  
**To:** Tymchenko, Nick <Tymchenko.Nick@epa.gov>  
**Cc:** Corbett, Chris <Corbett.Chris@epa.gov>; Matzko, Kristine <Matzko.Kristine@epa.gov>  
**Subject:** RE: Sauer Dump vulnerability assessment

Hello Nick – that would be very valuable. I have a call at 2pm with the technical leads at ICF to discuss the support. As we ramp up on this type of support we aim to get up to speed and primed on potential routes to explore related to resilience in advance of a scoping call.

Carlos S Pachon  
USEPA Superfund Program  
Washington DC  
(571)2162060  
[Pachon.carlos@epa.gov](mailto:Pachon.carlos@epa.gov)

---

**From:** Tymchenko, Nick <[Tymchenko.Nick@epa.gov](mailto:Tymchenko.Nick@epa.gov)>  
**Sent:** Friday, December 3, 2021 1:31 PM  
**To:** Pachon, Carlos <[Pachon.Carlos@epa.gov](mailto:Pachon.Carlos@epa.gov)>  
**Cc:** Corbett, Chris <[Corbett.Chris@epa.gov](mailto:Corbett.Chris@epa.gov)>; Matzko, Kristine <[Matzko.Kristine@epa.gov](mailto:Matzko.Kristine@epa.gov)>  
**Subject:** Sauer Dump vulnerability assessment

Carlos – The Sauer Dump PRP group included a short Climate Change and Resiliency Evaluation (Evaluation) as an Appendix in the updated version of their Detailed Analysis of Alternatives (DAA). I plan to use the HQ vulnerability assessment as the basis to comment on the PRP's Evaluation.

Would there be benefit to sharing the PRP's Evaluation with you now for consideration as your team develops the vulnerability assessment? Or will it complicate the process?

Let me know,

Nick Tymchenko  
Remedial Project Manager  
Western PA/MD Remedial Section  
Superfund & Emergency Management Division  
US EPA Region 3  
Mail Code 3SD22  
1650 Arch St.  
Philadelphia, PA 19103-2029

(215) 814-2022

---

**From:** Tymchenko, Nick  
**Sent:** Tuesday, November 23, 2021 10:26 AM  
**To:** Pachon, Carlos <[Pachon.Carlos@epa.gov](mailto:Pachon.Carlos@epa.gov)>  
**Cc:** Corbett, Chris <[Corbett.Chris@epa.gov](mailto:Corbett.Chris@epa.gov)>; Matzko, Kristine <[Matzko.Kristine@epa.gov](mailto:Matzko.Kristine@epa.gov)>  
**Subject:** RE: Meeting Request

Carlos,  
Thanks for meeting with us today, a climate vulnerability assessment will provide the Site team valuable information for the analysis of alternatives. I've attached the slides from our meeting this morning and HGL's tech memo.

People Plus account:

**Ex. 6 Personal Privacy (PP)**

SAUER DUMP - PRP RIFS

I look forward to working with you on this.

Nick Tymchenko  
Remedial Project Manager  
Western PA/MD Remedial Section  
Superfund & Emergency Management Division  
US EPA Region 3  
Mail Code 3SD22  
1650 Arch St.  
Philadelphia, PA 19103-2029

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**From:** Pachon, Carlos <[Pachon.Carlos@epa.gov](mailto:Pachon.Carlos@epa.gov)>  
**Sent:** Tuesday, November 16, 2021 9:19 AM  
**To:** Corbett, Chris <[Corbett.Chris@epa.gov](mailto:Corbett.Chris@epa.gov)>  
**Cc:** Tymchenko, Nick <[Tymchenko.Nick@epa.gov](mailto:Tymchenko.Nick@epa.gov)>  
**Subject:** RE: Meeting Request

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Carlos S Pachon  
USEPA Superfund Program  
Washington DC  
(571)2162060  
[Pachon.carlos@epa.gov](mailto:Pachon.carlos@epa.gov)

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**From:** Pachon, Carlos  
**Sent:** Tuesday, November 16, 2021 9:06 AM  
**To:** Corbett, Chris <[Corbett.Chris@epa.gov](mailto:Corbett.Chris@epa.gov)>  
**Cc:** Tymchenko, Nick <[Tymchenko.Nick@epa.gov](mailto:Tymchenko.Nick@epa.gov)>  
**Subject:** RE: Meeting Request

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Carlos S Pachon  
USEPA Superfund Program  
Washington DC  
(571)2162060  
[Pachon.carlos@epa.gov](mailto:Pachon.carlos@epa.gov)

---

**From:** Corbett, Chris <[Corbett.Chris@epa.gov](mailto:Corbett.Chris@epa.gov)>  
**Sent:** Monday, November 15, 2021 2:55 PM  
**To:** Pachon, Carlos <[Pachon.Carlos@epa.gov](mailto:Pachon.Carlos@epa.gov)>  
**Cc:** Tymchenko, Nick <[Tymchenko.Nick@epa.gov](mailto:Tymchenko.Nick@epa.gov)>  
**Subject:** Meeting Request

While enjoying your training, I can't help but think about the Sauer Dump Site, currently on the Administrator's Emphasis List, which I am working on with RPM Tymchenko. The site is located immediately adjacent to the Back River which flows into the Chesapeake Bay.

Ex. 5 Deliberative Process (DP)

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Are you available for 15 – 30 minutes to provide suggestions that will assist the development of the SOW, specifically model recommendations (I explained to Nick we may want to evaluate a range of models) and any other activities that Nick should consider.

Ex. 5 Deliberative Process (DP)

Ex. 5 Deliberative Process (DP)

Thank you for your consideration.

Message

---

**From:** DuBois, Sean [Ex. 6 Personal Privacy (PP)]  
**Sent:** 12/14/2021 9:29:37 PM  
**To:** Pachon, Carlos [Pachon.Carlos@epa.gov]; Tymchenko, Nick [Tymchenko.Nick@epa.gov]; Corbett, Chris [Corbett.Chris@epa.gov]; Sinski, Patti [Ex. 6 Personal Privacy (PP)]; Vargo, Amanda [Ex. 6 Personal Privacy (PP)]; Grismala, Ralph [Ex. 6 Personal Privacy (PP)]  
**Subject:** Sauer Dump Climate Vulnerability Assessment - Scoping call

Hi All,

The scoping call agenda for the climate vulnerability assessment at Sauer Dump is attached.

We are looking forward to our discussion tomorrow afternoon. Please let us know if there are any additional topics you'd like added to the agenda.

Thanks,  
Sean

Sean DuBois | Senior Environmental Analyst [Ex. 6 Personal Privacy (PP)]  
[Ex. 6 Personal Privacy (PP)] [icf.com](mailto:sean.dubois@icf.com)  
ICF | 9300 Lee Highway, Fairfax, VA 22031



Message

---

**From:** Cron, Mitch [Cron.Mitch@epa.gov]  
**Sent:** 12/15/2021 12:27:37 PM  
**To:** Tymchenko, Nick [Tymchenko.Nick@epa.gov]  
**Subject:** RE: Sauer Dump Climate Vulnerability Assessment - Scoping call

thanks for including me

Mitch Cron  
Environmental Protection Agency  
Mail Code 3SD22  
1650 Arch Street  
Philadelphia, PA 19103-2029  
Phone: (215) 814-3286  
Email: cron.mitch@epa.gov

---

**From:** Tymchenko, Nick <Tymchenko.Nick@epa.gov>  
**Sent:** Wednesday, December 15, 2021 7:03 AM  
**To:** Cron, Mitch <Cron.Mitch@epa.gov>  
**Subject:** FW: Sauer Dump Climate Vulnerability Assessment - Scoping call

FYI

Nick Tymchenko  
Remedial Project Manager  
Western PA/MD Remedial Section  
Superfund & Emergency Management Division  
US EPA Region 3  
Mail Code 3SD22  
1650 Arch St.  
Philadelphia, PA 19103-2029

(215) 814-2022

---

**From:** DuBois, Sean <[REDACTED] Ex. 6 Personal Privacy (PP)>  
**Sent:** Tuesday, December 14, 2021 4:30 PM  
**To:** Pachon, Carlos <Pachon.Carlos@epa.gov>; Tymchenko, Nick <Tymchenko.Nick@epa.gov>; Corbett, Chris <Corbett.Chris@epa.gov>; Sinski, Patti <[REDACTED] Ex. 6 Personal Privacy (PP)>; Vargo, Amanda <[REDACTED] Ex. 6 Personal Privacy (PP)>; Grismala, Ralph <[REDACTED] Ex. 6 Personal Privacy (PP)>  
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Sean

**Sean DuBois** | Senior Environmental Analyst | **Ex. 6 Personal Privacy (PP)**  
**Ex. 6 Personal Privacy (PP)** | [icf.com](http://icf.com)  
ICF | 9300 Lee Highway, Fairfax, VA 22031

Message

---

**From:** Cron, Mitch [Cron.Mitch@epa.gov]  
**Sent:** 12/15/2021 1:53:00 PM  
**To:** Tymchenko, Nick [Tymchenko.Nick@epa.gov]  
**Subject:** RE: Sauer Dump Climate Vulnerability Assessment - Scoping call

quite a detailed agenda

Mitch Cron  
Environmental Protection Agency  
Mail Code 3SD22  
1650 Arch Street  
Philadelphia, PA 19103-2029  
Phone: (215) 814-3286  
Email: cron.mitch@epa.gov

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**To:** Cron, Mitch <Cron.Mitch@epa.gov>  
**Subject:** FW: Sauer Dump Climate Vulnerability Assessment - Scoping call

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(215) 814-2022

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**Sent:** Tuesday, December 14, 2021 4:30 PM  
**To:** Pachon, Carlos <Pachon.Carlos@epa.gov>; Tymchenko, Nick <Tymchenko.Nick@epa.gov>; Corbett, Chris <Corbett.Chris@epa.gov>; Sinski, Patti [Ex. 6 Personal Privacy (PP)]; Vargo, Amanda [Ex. 6 Personal Privacy (PP)]; Grismala, Ralph [Ex. 6 Personal Privacy (PP)]  
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Thanks,  
Sean

**Sean DuBois** | Senior Environmental Analyst

Ex. 6 Personal Privacy (PP)

Ex. 6 Personal Privacy (PP) [com](#)

ICF | 9300 Lee Highway, Fairfax, VA 22031

Message

---

**From:** Bhat, Cassandra [Ex. 6 Personal Privacy (PP)]  
**Sent:** 1/18/2022 7:04:26 PM  
**To:** Tymchenko, Nick [Tymchenko.Nick@epa.gov]  
**Subject:** Automatic reply: Placeholder - Sauer Dump climate change vulnerability assessment preliminary results

Hello,

Thanks for your message. I am away from my desk the afternoon of Tuesday, January 18. I'll get back to you as soon as possible -- if you need to reach me right away, please call me at [Ex. 6 Personal Privacy (PP)]

Thanks,

Cassie

## Appointment

---

**From:** Matzko, Kristine [Matzko.Kristine@epa.gov]  
**Sent:** 1/18/2022 7:04:47 PM  
**To:** Tymchenko, Nick [Tymchenko.Nick@epa.gov]

**Subject:** Accepted: Placeholder - Sauer Dump climate change vulnerability assessment preliminary results  
**Location:** Microsoft Teams Meeting

**Start:** 2/10/2022 4:00:00 PM  
**End:** 2/10/2022 5:00:00 PM  
**Show Time As:** Busy

Message

---

**From:** Pachon, Carlos [Pachon.Carlos@epa.gov]  
**Sent:** 1/14/2022 7:22:21 PM  
**To:** Tymchenko, Nick [Tymchenko.Nick@epa.gov]  
**CC:** DuBois, Sean [Ex. 6 Personal Privacy (PP)]  
**Subject:** RE: Sauer Dump schedule

Hello Nick – we are aiming to have a call and walk through of preliminary results 2/11. Does 2/11 work for a call? The first draft is due early March, Do you need it earlier?

Thanks, hope you have a great weekend!

Carlos S Pachon  
USEPA Superfund Program  
Washington DC  
(571)2162060  
Pachon.carlos@epa.gov

---

**From:** Tymchenko, Nick <Tymchenko.Nick@epa.gov>  
**Sent:** Thursday, January 13, 2022 8:23 AM  
**To:** Pachon, Carlos <Pachon.Carlos@epa.gov>  
**Subject:** Sauer Dump schedule

Hi Carlos – do you have a schedule/timeline for the assessment process? I know we discussed the general time line and that it coincides with my FS / PRAP schedule, but I'd like to get a date for submittal of the first draft to place into the AEL reporting documents I prepare.

Thanks,

Nick Tymchenko  
Remedial Project Manager  
Western PA/MD Remedial Section  
Superfund & Emergency Management Division  
US EPA Region 3  
Mail Code 3SD22  
1650 Arch St.  
Philadelphia, PA 19103-2029

(215) 814-2022

## Appointment

---

**From:** Grismala, Ralph [Ex. 6 Personal Privacy (PP)]  
**Sent:** 1/18/2022 7:07:03 PM  
**To:** Tymchenko, Nick [Tymchenko.Nick@epa.gov]

**Subject:** Accepted: Placeholder - Sauer Dump climate change vulnerability assessment preliminary results  
**Location:** Microsoft Teams Meeting

**Start:** 2/10/2022 4:00:00 PM  
**End:** 2/10/2022 5:00:00 PM  
**Show Time As:** Busy



## Appointment

---

**From:** DuBois, Sean [Ex. 6 Personal Privacy (PP)]

**Sent:** 1/18/2022 7:05:32 PM

**To:** Tymchenko, Nick [Tymchenko.Nick@epa.gov]

**Subject:** Accepted: Placeholder - Sauer Dump climate change vulnerability assessment preliminary results

**Location:** Microsoft Teams Meeting

**Start:** 2/10/2022 4:00:00 PM

**End:** 2/10/2022 5:00:00 PM

**Show Time As:** Busy

**Recurrence:** (none)

## Appointment

---

**From:** Pluta, Bruce [Pluta.Bruce@epa.gov]  
**Sent:** 1/18/2022 7:09:17 PM  
**To:** Tymchenko, Nick [Tymchenko.Nick@epa.gov]

**Subject:** Accepted: Placeholder - Sauer Dump climate change vulnerability assessment preliminary results  
**Location:** Microsoft Teams Meeting

**Start:** 2/10/2022 4:00:00 PM  
**End:** 2/10/2022 5:00:00 PM  
**Show Time As:** Busy

## Appointment

---

**From:** Vargo, Amanda [Ex. 6 Personal Privacy (PP)]  
**Sent:** 1/18/2022 7:17:04 PM  
**To:** Tymchenko, Nick [Tymchenko.Nick@epa.gov]

**Subject:** Accepted: Placeholder - Sauer Dump climate change vulnerability assessment preliminary results  
**Location:** Microsoft Teams Meeting

**Start:** 2/10/2022 4:00:00 PM  
**End:** 2/10/2022 5:00:00 PM  
**Show Time As:** Busy

## Appointment

---

**From:** Bower, Ryan [Bower.Ryan@epa.gov]  
**Sent:** 1/18/2022 7:22:56 PM  
**To:** Tymchenko, Nick [Tymchenko.Nick@epa.gov]

**Subject:** Accepted: Placeholder - Sauer Dump climate change vulnerability assessment preliminary results  
**Location:** Microsoft Teams Meeting

**Start:** 2/10/2022 4:00:00 PM  
**End:** 2/10/2022 5:00:00 PM  
**Show Time As:** Busy

## Appointment

---

**From:** Sinski, Patti [Ex. 6 Personal Privacy (PP)]  
**Sent:** 1/18/2022 7:38:16 PM  
**To:** Tymchenko, Nick [Tymchenko.Nick@epa.gov]

**Subject:** Accepted: Placeholder - Sauer Dump climate change vulnerability assessment preliminary results  
**Location:** Microsoft Teams Meeting

**Start:** 2/10/2022 4:00:00 PM  
**End:** 2/10/2022 5:00:00 PM

**Recurrence:** (none)

## Appointment

---

**From:** Bhat, Cassandra [Ex. 6 Personal Privacy (PP)]  
**Sent:** 1/19/2022 6:28:16 PM  
**To:** Tymchenko, Nick [Tymchenko.Nick@epa.gov]

**Subject:** Accepted: Placeholder - Sauer Dump climate change vulnerability assessment preliminary results  
**Location:** Microsoft Teams Meeting

**Start:** 2/10/2022 4:00:00 PM  
**End:** 2/10/2022 5:00:00 PM  
**Show Time As:** Busy

## Appointment

---

**From:** Tuttle, Jeffrey [Tuttle.Jeffrey@epa.gov]  
**Sent:** 1/24/2022 11:55:10 AM  
**To:** Tymchenko, Nick [Tymchenko.Nick@epa.gov]  
**Subject:** Tentative: Placeholder - Sauer Dump climate change vulnerability assessment preliminary results  
**Location:** Microsoft Teams Meeting  
**Start:** 2/10/2022 4:00:00 PM  
**End:** 2/10/2022 5:00:00 PM  
**Show Time As:** Busy

Nick,

# Ex. 6 Personal Privacy (PP)

Jeff

## Message

---

**From:** Matzko, Kristine [Matzko.Kristine@epa.gov]  
**Sent:** 1/31/2022 3:05:56 PM  
**To:** Tymchenko, Nick [Tymchenko.Nick@epa.gov]  
**Subject:** RE: Placeholder - Sauer Dump climate change vulnerability assessment preliminary results

I have another meeting at the same time – meeting on Barefoot, a site assessment site – they are trying to determine next steps. Do you want me to attend this meeting or is it discretionary

-----Original Appointment-----

**From:** Tymchenko, Nick <Tymchenko.Nick@epa.gov>  
**Sent:** Tuesday, January 18, 2022 11:11 AM  
**To:** Tymchenko, Nick; Pachon, Carlos; Pluta, Bruce; Tuttle, Jeffrey; Bower, Ryan; Matzko, Kristine  
**Cc:** DuBois, Sean; Corbett, Chris; Sinski, Patti; Bhat, Cassandra; Grismala, Ralph; Vargo, Amanda  
**Subject:** Placeholder - Sauer Dump climate change vulnerability assessment preliminary results  
**When:** Thursday, February 10, 2022 11:00 AM-12:00 PM (UTC-05:00) Eastern Time (US & Canada).  
**Where:** Microsoft Teams Meeting

---

## Microsoft Teams meeting

### Join on your computer or mobile app

[Click here to join the meeting](#)

### Join with a video conferencing device

[sip:teams@video.epa.gov](mailto:sip:teams@video.epa.gov)

Video Conference ID: 119 137 974 9

[Alternate VTC instructions](#)

### Or call in (audio only)

[+1 484-352-3221,747029944#](tel:+14843523221747029944) United States, Philadelphia

Phone Conference ID: 747 029 944#

[Find a local number](#) | [Reset PIN](#)

For all EPA meetings, there is no expectation of privacy regarding any communications. Participation in a recorded meeting will be deemed as consent to be recorded. Information on EPA systems is the property of the Agency and may become official records.

[Learn More](#) | [Meeting options](#)

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**From:** Pachon, Carlos <Pachon.Carlos@epa.gov>  
**Sent:** Friday, January 14, 2022 2:22 PM



**To:** Tymchenko, Nick <Tymchenko.Nick@epa.gov>

**Cc:** DuBois, Sear [Ex. 6 Personal Privacy (PP)]

**Subject:** RE: Sauer Dump schedule

Hello Nick – we are aiming to have a call and walk through of preliminary results 2/11. Does 2/11 work for a call? The first draft is due early March, Do you need it earlier?

Thanks, hope you have a great weekend!

Carlos S Pachon  
USEPA Superfund Program  
Washington DC  
(571)2162060  
[Pachon.carlos@epa.gov](mailto:Pachon.carlos@epa.gov)

---

**From:** Tymchenko, Nick <Tymchenko.Nick@epa.gov>

**Sent:** Thursday, January 13, 2022 8:23 AM

**To:** Pachon, Carlos <Pachon.Carlos@epa.gov>

**Subject:** Sauer Dump schedule

Hi Carlos – do you have a schedule/timeline for the assessment process? I know we discussed the general time line and that it coincides with my FS / PRAP schedule, but I'd like to get a date for submittal of the first draft to place into the AEL reporting documents I prepare.

Thanks,

Nick Tymchenko  
Remedial Project Manager  
Western PA/MD Remedial Section  
Superfund & Emergency Management Division  
US EPA Region 3  
Mail Code 3SD22  
1650 Arch St.  
Philadelphia, PA 19103-2029

(215) 814-2022

## Appointment

---

**From:** White, Brad [White.Brad@epa.gov]  
**Sent:** 1/31/2022 3:20:25 PM  
**To:** Tymchenko, Nick [Tymchenko.Nick@epa.gov]

**Subject:** Accepted: Placeholder - Sauer Dump climate change vulnerability assessment preliminary results  
**Location:** Microsoft Teams Meeting

**Start:** 2/10/2022 4:00:00 PM  
**End:** 2/10/2022 5:00:00 PM  
**Show Time As:** Busy

## Appointment

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**From:** Tyahla, Stephen [Tyahla.Stephen@epa.gov]  
**Sent:** 1/31/2022 4:37:06 PM  
**To:** Tymchenko, Nick [Tymchenko.Nick@epa.gov]

**Subject:** Tentative: Placeholder - Sauer Dump climate change vulnerability assessment preliminary results  
**Location:** Microsoft Teams Meeting

**Start:** 2/10/2022 4:00:00 PM  
**End:** 2/10/2022 5:00:00 PM  
**Show Time As:** Busy

## Appointment

---

**From:** Matzko, Kristine [Matzko.Kristine@epa.gov]  
**Sent:** 2/7/2022 6:23:21 PM  
**To:** Tymchenko, Nick [Tymchenko.Nick@epa.gov]

**Subject:** Tentative: Placeholder - Sauer Dump climate change vulnerability assessment preliminary results  
**Location:** Microsoft Teams Meeting

**Start:** 2/10/2022 4:00:00 PM  
**End:** 2/10/2022 5:00:00 PM  
**Show Time As:** Busy

Message

---

**From:** Matzko, Kristine [Matzko.Kristine@epa.gov]  
**Sent:** 2/7/2022 6:23:16 PM  
**To:** Tymchenko, Nick [Tymchenko.Nick@epa.gov]  
**Subject:** RE: Placeholder - Sauer Dump climate change vulnerability assessment preliminary results

Can I decline this meeting?

-----Original Appointment-----

**From:** Tymchenko, Nick <Tymchenko.Nick@epa.gov>  
**Sent:** Tuesday, January 18, 2022 11:11 AM  
**To:** Tymchenko, Nick; Pachon, Carlos; Pluta, Bruce; Tuttle, Jeffrey; Bower, Ryan  
**Cc:** DuBois, Sean; Corbett, Chris; Sinski, Patti; Bhat, Cassandra; Grismala, Ralph; Vargo, Amanda; Matzko, Kristine; Tyahla, Stephen; White, Brad  
**Subject:** Placeholder - Sauer Dump climate change vulnerability assessment preliminary results  
**When:** Thursday, February 10, 2022 11:00 AM-12:00 PM (UTC-05:00) Eastern Time (US & Canada).  
**Where:** Microsoft Teams Meeting

---

## Microsoft Teams meeting

### Join on your computer or mobile app

[Click here to join the meeting](#)

### Join with a video conferencing device

<sip:teams@video.epa.gov>

Video Conference ID: 119 137 974 9

[Alternate VTC instructions](#)

### Or call in (audio only)

[+1 484-352-3221,747029944#](tel:+14843523221747029944) United States, Philadelphia

Phone Conference ID: 747 029 944#

[Find a local number](#) | [Reset PIN](#)

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[Learn More](#) | [Meeting options](#)

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**From:** Pachon, Carlos <Pachon.Carlos@epa.gov>  
**Sent:** Friday, January 14, 2022 2:22 PM

**To:** Tymchenko, Nick <Tymchenko.Nick@epa.gov>

**Cc:** DuBois, Sean [Ex. 6 Personal Privacy (PP)]

**Subject:** RE: Sauer Dump schedule

Hello Nick – we are aiming to have a call and walk through of preliminary results 2/11. Does 2/11 work for a call? The first draft is due early March, Do you need it earlier?

Thanks, hope you have a great weekend!

Carlos S Pachon  
USEPA Superfund Program  
Washington DC  
(571)2162060  
[Pachon.carlos@epa.gov](mailto:Pachon.carlos@epa.gov)

---

**From:** Tymchenko, Nick <Tymchenko.Nick@epa.gov>

**Sent:** Thursday, January 13, 2022 8:23 AM

**To:** Pachon, Carlos <Pachon.Carlos@epa.gov>

**Subject:** Sauer Dump schedule

Hi Carlos – do you have a schedule/timeline for the assessment process? I know we discussed the general time line and that it coincides with my FS / PRAP schedule, but I'd like to get a date for submittal of the first draft to place into the AEL reporting documents I prepare.

Thanks,

Nick Tymchenko  
Remedial Project Manager  
Western PA/MD Remedial Section  
Superfund & Emergency Management Division  
US EPA Region 3  
Mail Code 3SD22  
1650 Arch St.  
Philadelphia, PA 19103-2029

(215) 814-2022

## Appointment

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**From:** Whiting, Matia [Ex. 6 Personal Privacy (PP)]  
**Sent:** 2/9/2022 4:06:50 PM  
**To:** Tymchenko, Nick [Tymchenko.Nick@epa.gov]

**Subject:** Accepted: Placeholder - Sauer Dump climate change vulnerability assessment preliminary results  
**Location:** Microsoft Teams Meeting

**Start:** 2/10/2022 4:00:00 PM  
**End:** 2/10/2022 5:00:00 PM  
**Show Time As:** Busy

## Appointment

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**From:** Matzko, Kristine [Matzko.Kristine@epa.gov]  
**Sent:** 2/9/2022 5:46:34 PM  
**To:** Tymchenko, Nick [Tymchenko.Nick@epa.gov]

**Subject:** Declined: Placeholder - Sauer Dump climate change vulnerability assessment preliminary results  
**Location:** Microsoft Teams Meeting

**Start:** 2/10/2022 4:00:00 PM  
**End:** 2/10/2022 5:00:00 PM  
**Show Time As:** Busy



Message

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**From:** Pachon, Carlos [Pachon.Carlos@epa.gov]  
**Sent:** 3/1/2022 6:07:29 PM  
**To:** Tymchenko, Nick [Tymchenko.Nick@epa.gov]  
**Subject:** Automatic reply: Sauer Dump Preliminary Climate Vulnerability Assessment - Technical Memorandum

Thank you for your message. I am out of the office until 3/8/2022. For urgent matters please see our staff and subject directory at [clu.in.org/about/tifsd](http://clu.in.org/about/tifsd). Thank you.

Message

---

**From:** DuBois, Sean [Ex. 6 Personal Privacy (PP)]  
**Sent:** 3/1/2022 5:10:35 PM  
**To:** Tymchenko, Nick [Tymchenko.Nick@epa.gov]  
**CC:** Pachon, Carlos [Pachon.Carlos@epa.gov]; Sinski, Patt [Ex. 6 Personal Privacy (PP)]; Vargo, Amanda [Ex. 6 Personal Privacy (PP)]  
**Subject:** Sauer Dump Preliminary Climate Vulnerability Assessment - Technical Memorandum

Hi Nick,

Please find the Sauer Dump Preliminary Climate Vulnerability Assessment Technical Memorandum attached. Once you have time to review this document and the FS, it may be worthwhile to have a meeting to discuss any comments and questions you may have on this document and any developments at the site which would inform potential future analyses, as necessary.

Thank you,  
Sean

**Sean DuBois** | Senior Environmental Analyst [Ex. 6 Personal Privacy (PP)]  
[Ex. 6 Personal Privacy (PP)]@icf.com  
ICF | 9300 Lee Highway, Fairfax, VA 22031

Message

---

**From:** DuBois, Sean [Ex. 6 Personal Privacy (PP)]  
**Sent:** 4/28/2022 4:57:12 PM  
**To:** Tymchenko, Nick [Tymchenko.Nick@epa.gov]  
**CC:** Pachon, Carlos [Pachon.Carlos@epa.gov]; Sinski, Patti [Ex. 6 Personal Privacy (PP)]  
**Subject:** RE: Sauer Dump Preliminary Climate Vulnerability Assessment - Technical Memorandum

Hi Nick,

Attached is the preliminary climate vulnerability assessment report updated with additional language clarifying the purpose and scope of the assessment that may be more suitable for sharing with other members of the site team. Please let us know if you have any questions now or after sharing with the PRP group.

Thanks,  
Sean

Sean DuBois | Senior Environmental Analyst | [Ex. 6 Personal Privacy (PP)]  
[Ex. 6 Personal Privacy (PP)]@icf.com  
ICF | 9300 Lee Highway, Fairfax, VA 22031

---

**From:** DuBois, Sean  
**Sent:** Tuesday, April 26, 2022 3:01 PM  
**To:** Tymchenko, Nick <Tymchenko.Nick@epa.gov>  
**Cc:** Pachon, Carlos <Pachon.Carlos@epa.gov>; Sinski, Patti <[Ex. 6 Personal Privacy (PP)]>  
**Subject:** RE: Sauer Dump Preliminary Climate Vulnerability Assessment - Technical Memorandum

Hi Nick,

**Ex. 5 Deliberative Process (DP)**

# Ex. 5 Deliberative Process (DP)

Thanks,  
Sean

Sean DuBois | Senior Environmental Analyst | (Ex. 6 Personal Privacy (PP))  
(Ex. 6 Personal Privacy (PP)) | icf.com  
ICF | 9300 Lee Highway, Fairfax, VA 22031

---

**From:** Pachon, Carlos <Pachon.Carlos@epa.gov>  
**Sent:** Monday, April 25, 2022 12:21 PM  
**To:** Tymchenko, Nick <Tymchenko.Nick@epa.gov>; DuBois, Sean (Ex. 6 Personal Privacy (PP))  
**Subject:** RE: Sauer Dump Preliminary Climate Vulnerability Assessment - Technical Memorandum

Hello Nick – good to hear from you, and that the report is helping you guide and inform site decisions.

Sean – please advise how to best reply to the MDE question below, preferably based on information in the report.

GAO Finding:

## Ex. 5 Deliberative Process (DP)

Thank you  
Carlos S Pachon  
USEPA Superfund Program  
Washington DC  
(571)2162060  
[Pachon.carlos@epa.gov](mailto:Pachon.carlos@epa.gov)

---

**From:** Tymchenko, Nick <Tymchenko.Nick@epa.gov>  
**Sent:** Monday, April 25, 2022 12:12 PM  
**To:** Pachon, Carlos <Pachon.Carlos@epa.gov>  
**Subject:** RE: Sauer Dump Preliminary Climate Vulnerability Assessment - Technical Memorandum

Carlos,

As discussed, thanks for the preliminary report. The Site team has referred to the report in its review of the draft FS for the Sauer Dump Site and I'll be providing the PRP Group comments and the report later this week. At this time we don't anticipate the need for future analysis as the presentation in the report was clear.

Ex. 5 Deliberative Process (DP)

## Ex. 5 Deliberative Process (DP)

# Ex. 5 Deliberative Process (DP)

Nick Tymchenko  
Remedial Project Manager  
Western PA/MD Remedial Section  
Superfund & Emergency Management Division  
US EPA Region 3  
Mail Code 3SD22  
1650 Arch St.  
Philadelphia, PA 19103-2029

(215) 814-2022

---

**From:** DuBois, Sean { Ex. 6 Personal Privacy (PP) }  
**Sent:** Tuesday, March 01, 2022 12:11 PM  
**To:** Tymchenko, Nick <Tymchenko.Nick@epa.gov>  
**Cc:** Pachon, Carlos <Pachon.Carlos@epa.gov>; Sinski, Patti { Ex. 6 Personal Privacy (PP) }; Vargo, Amanda  
<{ Ex. 6 Personal Privacy (PP) }m>  
**Subject:** Sauer Dump Preliminary Climate Vulnerability Assessment - Technical Memorandum

Hi Nick,

Please find the Sauer Dump Preliminary Climate Vulnerability Assessment Technical Memorandum attached. Once you have time to review this document and the FS, it may be worthwhile to have a meeting to discuss any comments and questions you may have on this document and any developments at the site which would inform potential future analyses, as necessary.

Thank you,  
Sean

Sean DuBois | Senior Environmental Analyst | { Ex. 6 Personal Privacy (PP) }

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